PLANMECA

ProMax

SPARE-PARTS MANUAL

Publication part number 10005021
Version 8
Published 2005-11

how to order by fax

how to order by e-mail

Click image to select ▶

HELP | ▶ | INDEX | QUIT | ORDER

COLUMN

Column A-1
Telescopic column parts A-2
Column motor A-3
Frankfort laser A-4
Input module A-5
Column front and rear panels A-6
Column front panels A-7
Wall bracket and transportation support bar A-8
Exposure switch A-9
Wall exposure switch A-10

PATIENT SUPPORT ARM

Patient support arm B-1
Patient support table B-2
Midsagittal plane light B-3
Layer light B-4
Patient supports and bite registration plate B-5
Graphic EL interface B-6
Graphic LCD interface B-7
Graphic colour TFT user interface B-8
User interface support B-9

UPPER ARM

SCARA3-Shoulder arm parts 1 ..... C-1
SCARA3-Shoulder arm parts 2 ..... C-2
SCARA3-Linear actuator C-3
SCARA2-Shoulder arm parts 1 ..... C-4
SCARA2-Shoulder arm parts 2 ..... C-5
Shoulder arm cover and elbow arm C-6

C-ARM

C-arm parts D-1
C-arm laser lights D-2
Cassette carriage D-3
Cassette carriage rotation D-4
Fixed secondary collimator D-5
Secondary collimator D-6
Fixed shield, without AEC D-7
Fixed shield, with AEC D-8
Moving shield, without AEC D-9
Moving shield, with AEC D-10
Cassette carriage covers D-11
Cassette 15x30cm AEC compatible D-12
Movable panoramic sensor head D-13
Fixed panoramic sensor head D-14
C-arm covers D-15
Tube head D-16
Primary collimator D-17
Primary collimator, fixed D-18

CEPHALOSTAT

Film cephalostat housings and arm E-1
Cephalostat CA body and cassette holder E-2
Cephalostat CA laser light assembly E-3
Cephalostat cassettes E-4
Digital ceph housings and arm E-5
Digital cephalostat scanning mechanism E-6
Cephalostat head support E-7
Second primary collimator E-8
Fixed cephalostat sensor head E-9
Movable cephalostat sensor head E-10

PCB'S AND CABLES

ProMax column and shoulder arm cables F-1
Input module cables F-2
Patient support arm cables F-3
C-arm cables F-4
Digital x-ray c-arm cables F-5
Film cephalostat cables F-6
Digital ceph cables F-7
External cables 1 ..... F-8
External cables 2 ..... F-9
External cables 3 ..... F-10
PCBs F-11
Digital x-ray PCBs F-12

ACCESSORIES

ProMax mounting accessories G-1
Adjustment tools G-2

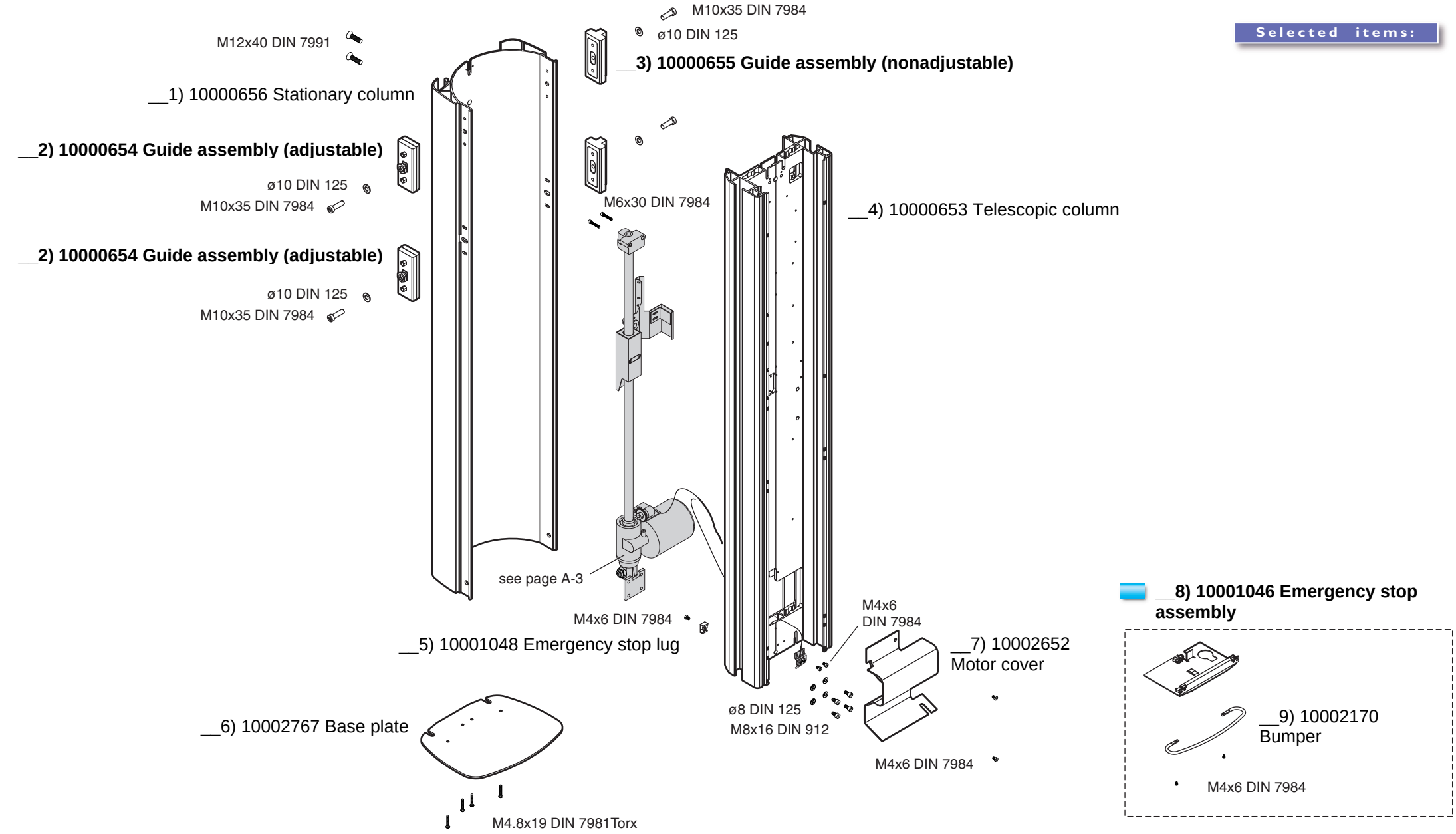
Free standing support H-1
Exhibition free standing base H-2

Planmeca pursues a policy of continual product development. Although every effort is made to produce up-to-date product documentation this publication should not be regarded as an infallible guide to current specifications. We reserve the right to make changes without prior notice.

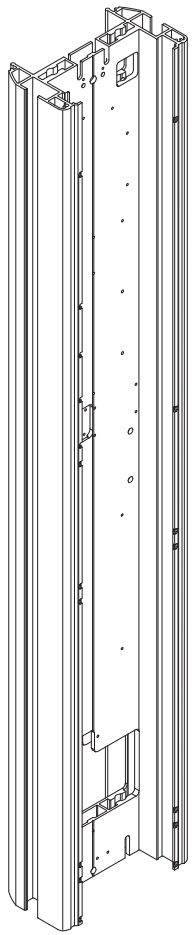
COPYRIGHT PLANMECA HELSINKI FINLAND 2005
PUBLICATION PART 10005021 VERSION 8
DATE ISSUED 2005-11

Column

Selected items:



Telescopic column parts



see page F-11

_11) 10002770 Cable holder

M4x6 DIN 7984

M4x6 DIN 7984

ø4 DIN 125

_10) 10002799 Cable hook

see page F-11

M4x8 BN 3318
M4x6 DIN 7984

281) 10002340 Speed nut Rapid NU 0604

M4x8 DIN 7984

M5x65 DIN 912

_13) 10001413 Cable holder

_14) 00002299 Cable clamp

_22) 10002169 Panel mounting frame assembly

_23) 10000855 Spring latch

_24) 10001206 Panel mounting frame

M4x6 DIN 7984

_20) 10001711 Choke frame

M4x6 DIN 7984

M4 DIN 934

_21) 10002546 PFC-Choke

_19) 10001710 PFC-Choke assembly

_17) 00124001 Pad SJ 5302

M4x6 DIN 7991

_16) 10006962 Accessory box

_15) 10001809 Accessory cabinet base

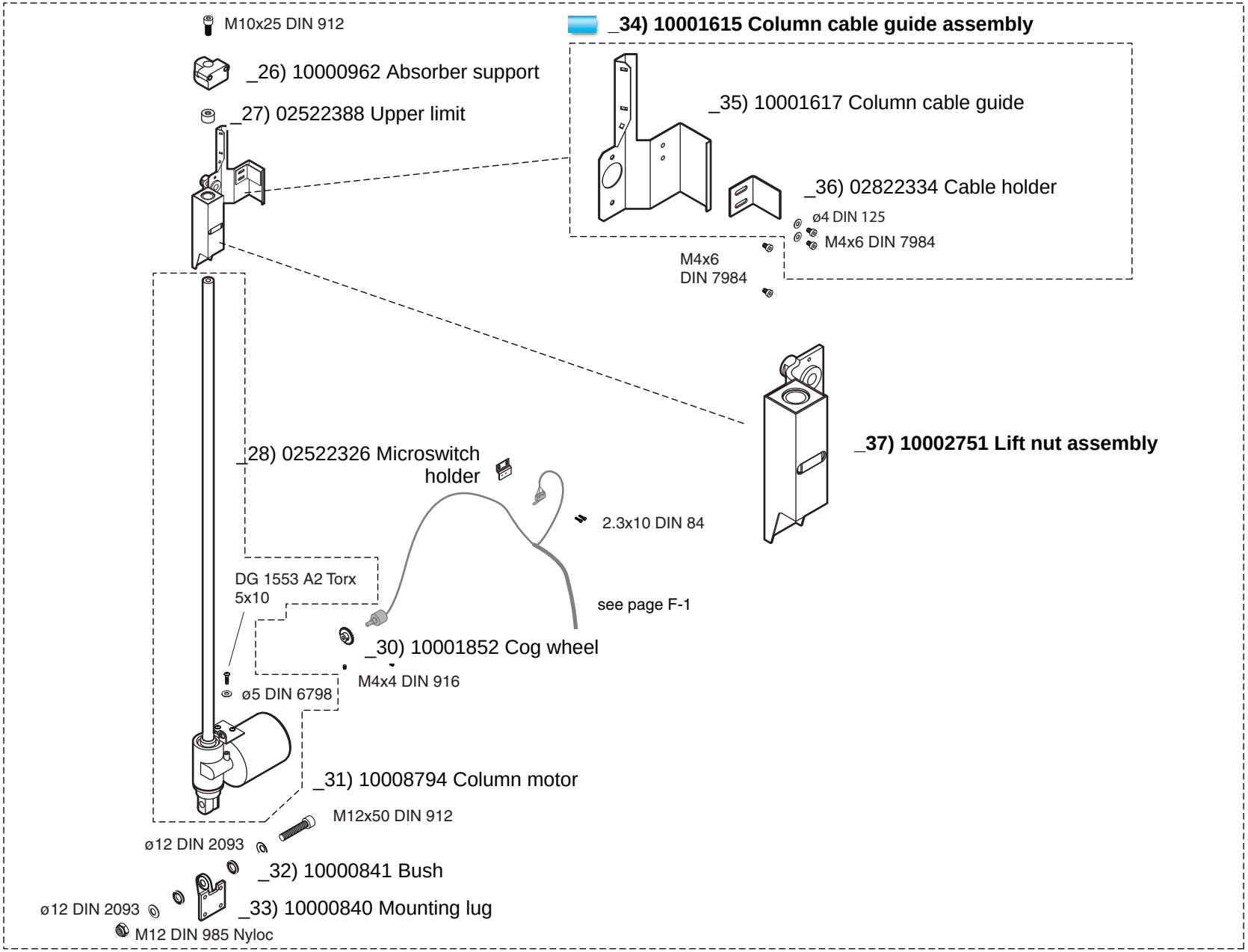
_17) 00124001 Pad SJ 5302

Selected items:

505) 10000748 Accessories cabinet, from ser. no RPX 233612

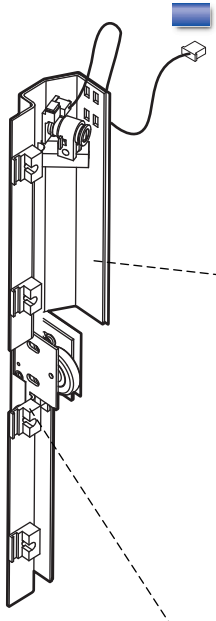
Column motor

_25) 10000837 Column motor assembly



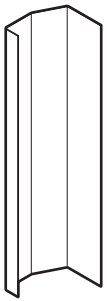
Selected items:

Frankfort laser

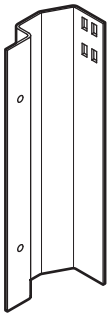


_38) 10001347 Frankfort laser

_39) 10002619 Frankfort laser back cover



_40) 10003851 Isolating sheet



_41) 10001350 Cover sheet

_42) 10001348 Spacer

M4x12 DIN 7984

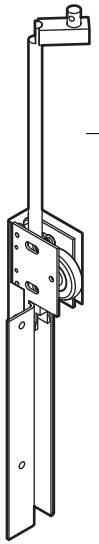
_43) 10003575 Frankfort laser subassembly

see page F-1

_44) 10008798 Laser light assembly

M3x12 DIN 912

_45) 10001303 Laser holder

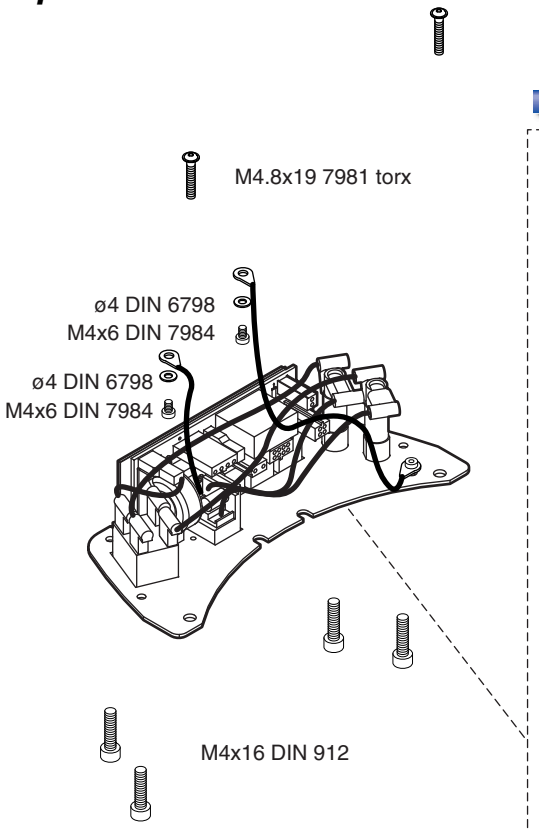


_46) 10001357 Laser light roller assembly

_42) 10001348 Spacer

M4x12 DIN 7984

Input module



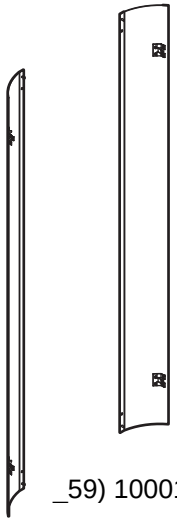
Selected items:

_47) 10004810 Input module assembly (includes cables, see page F-2)

M4x6 DIN 7984
ø4 DIN 6798
M3x5 ISO 7380
_48) 10004996 Input module plate
_49) 10003183 Input protective sheet
_50) 10003167 PCB holder
see page F-11
M4x6 DIN 7984
487) 10005817 DMIPLUG RJ-45
_53) 10001146 Connector, male STASE13
_51) 10000352 Fuse holder 0031.1693 (Schurter)
M3x5 ISO 7380
_57) 10007706 Fuse 8AT 6.3x32, type 195100 ELU, EU
_58) 10007707 Fuse 16AT 6.3x32, type 195100 ELU, USA/Japan
_54) 10001147 Locking frame
_56) 00431780 Fuse holder cover
_55) 00438020 Mains switch

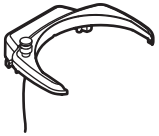
Column front and rear panels

Selected items:



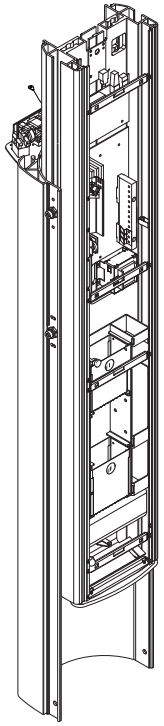
_59) 10001209 Column rear panel assembly

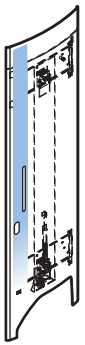
_59) 10001209 Column rear panel assembly



_60) 10004750 Column top cover with emergency switch

_61) 10001263 Column top cover

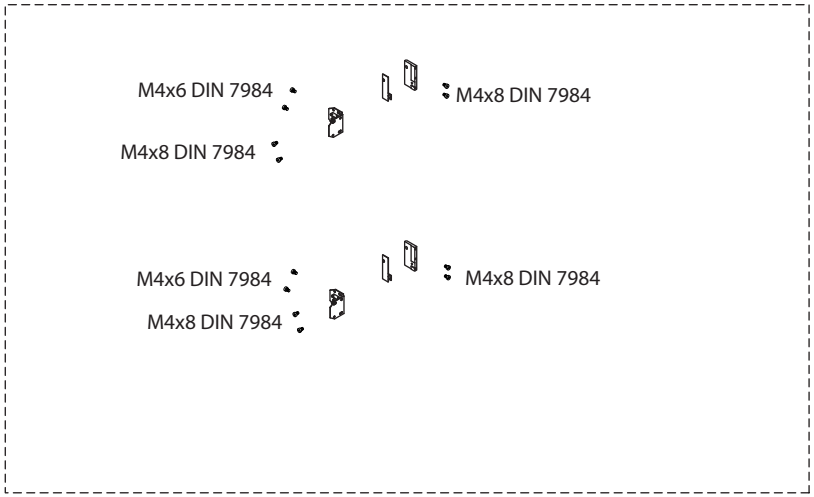




_62) 10001217 Upper front panel assembly

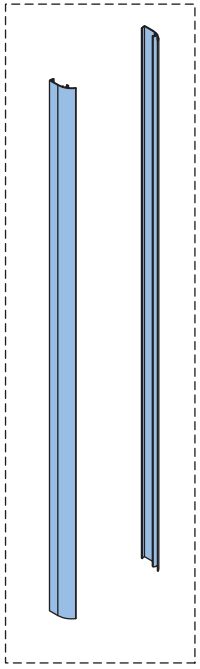
_63) 10003929 Upper front panel assembly, ceph

_64) 10008230 Door mounting accessory kit

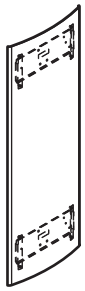


_68) 10004096
Column side covers

516) 10004228
Column side covers
(free standing support compatible)



_69) 10001766 Door assembly

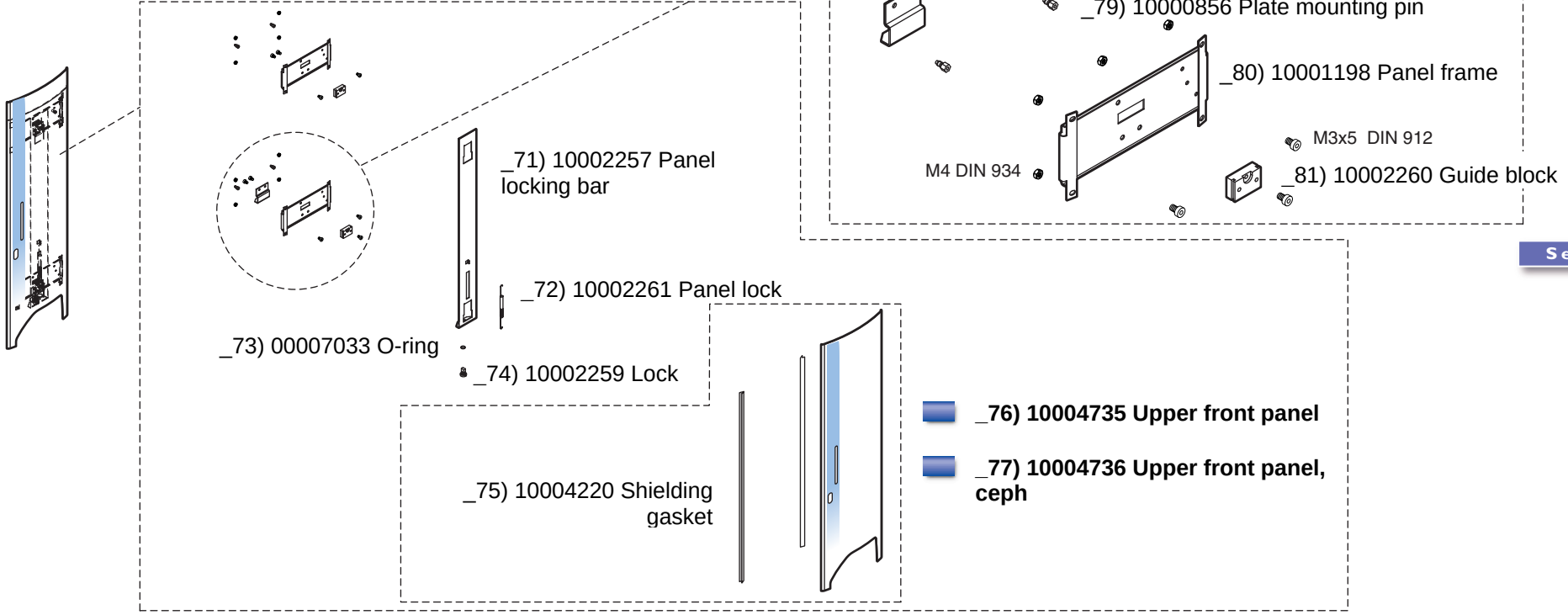


_70) 10001218 Lower front panel assembly

Column front panels

_62) 10001217 Upper front panel assembly

_63) 10003929 Upper front panel assembly, ceph

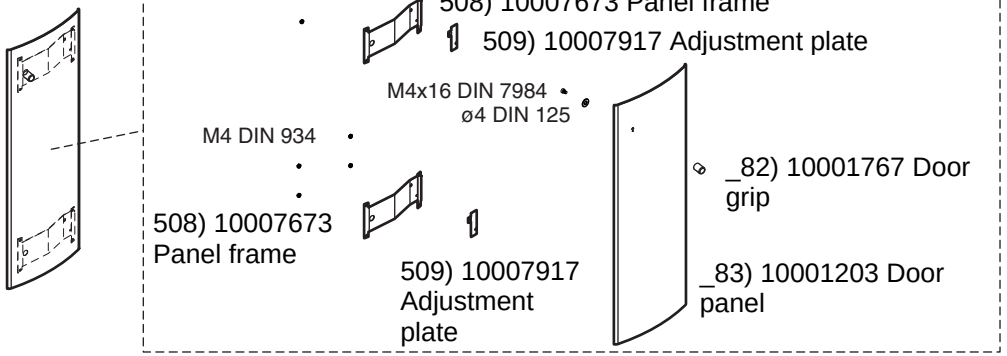


_76) 10004735 Upper front panel

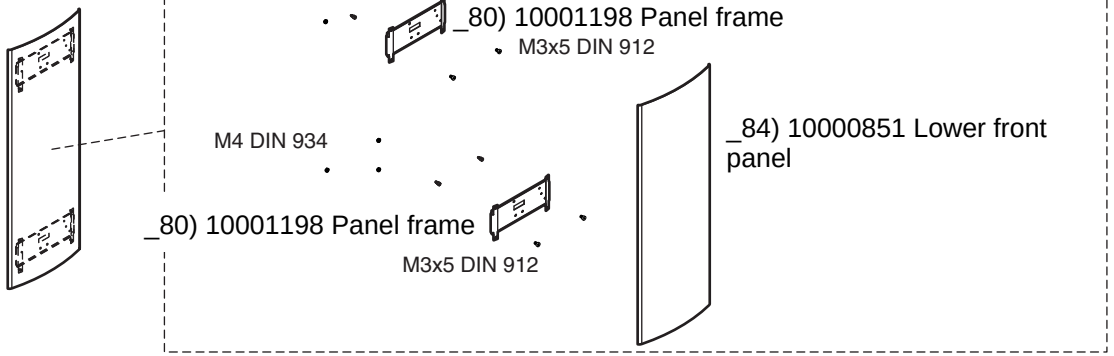
_77) 10004736 Upper front panel, ceph

Selected items:

_69) 10001766 Door assembly



_70) 10001218 Lower front panel assembly

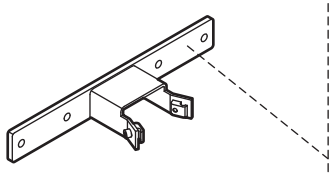


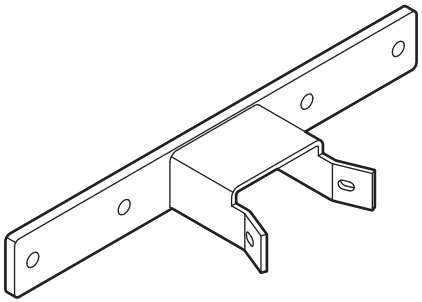
Wall bracket and transportation support bar

_85) 10001073 Wall bracket assembly

476) 10005439 Wall bracket assembly, USA

Selected items:





_86) 10001068 Wall bracket

477) 10005430 Wall bracket, USA

M8x20 DIN 912

ø8 DIN 125

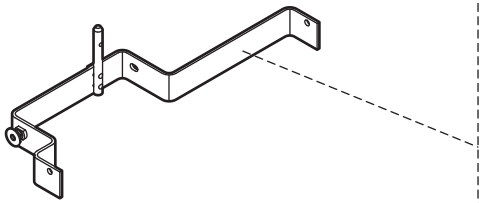
_87) 10001072 Clamp

ø8 DIN 125

M8x20 DIN 912

_87) 10001072 Clamp

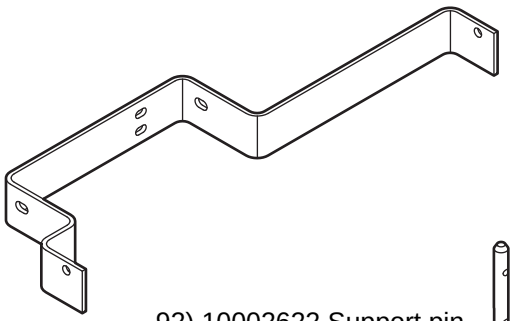
_88) 10002621 Transportation support bar assembly



M8x30 DIN 912

_91) 10002625 Bush

_89) 10002624 Nut block



_90) 10002623 Support bar

_91) 10002625 Bush

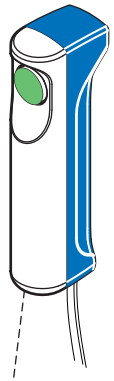
M8x30 DIN 912

_92) 10002622 Support pin

M8x16 DIN 912

M8x30 DIN 912

Exposure switch

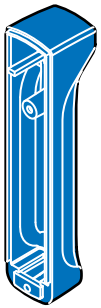


_93) 10004040 Exposure switch assembly

100) 10004041 Wall holder plate

101) 10002161 Holder plate

_94) 10010569 Exposure switch



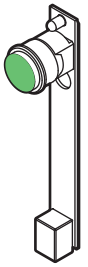
PT 30x8
WN1451 A2

102) 10002162 Fastening plate

M3 DIN 562

M3x10 DIN 912

Selected items:

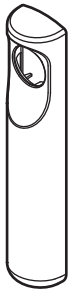


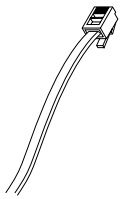
PT 30x8
WN1451 A2

_98) 10010568 Exposure switch back housing

_97) 00124001 Lens sticker SJ 5302

_96) 10010567 Exposure switch front housing

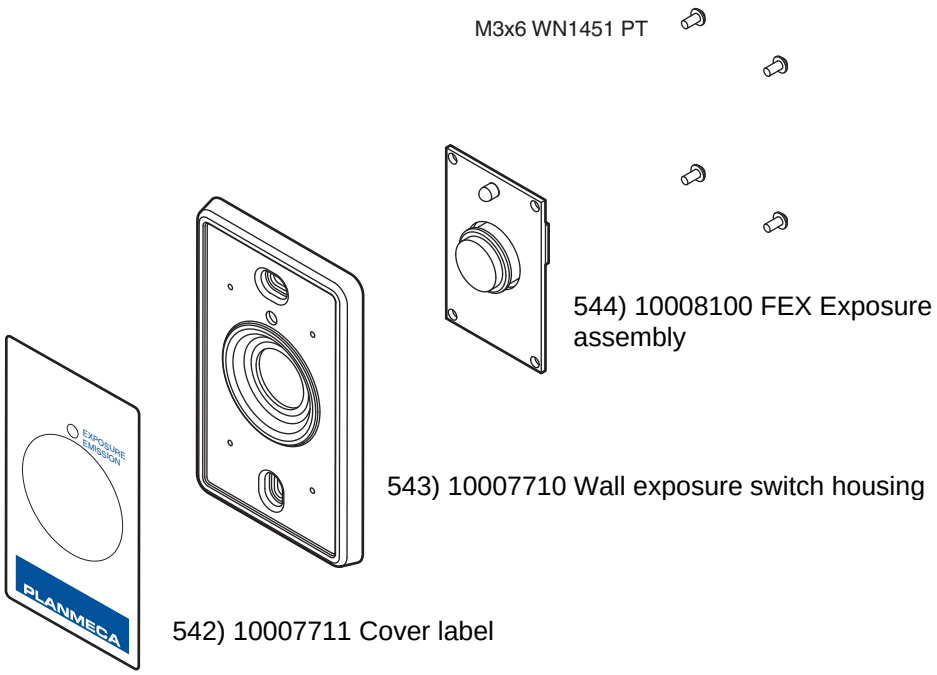




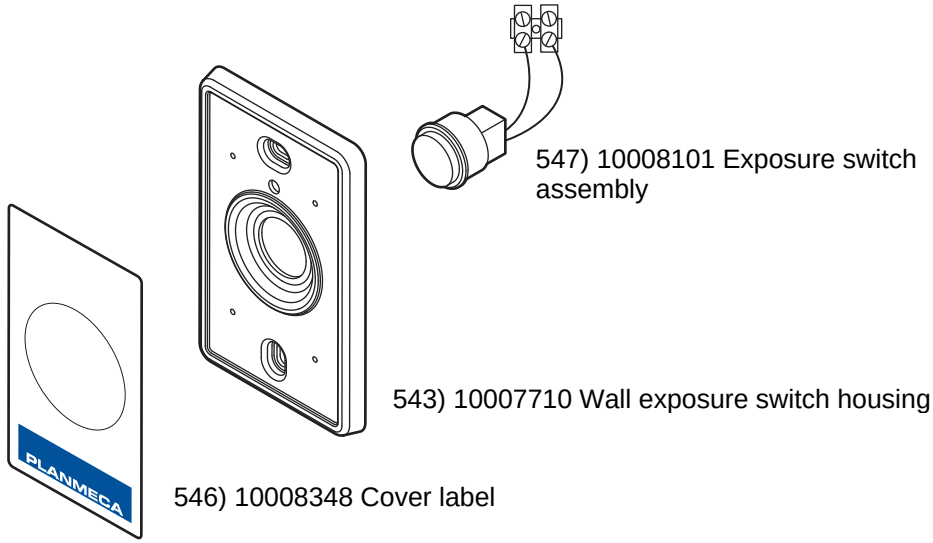
_99) 10001193 Cross connection spiral cable

Wall exposure switch

541) 10008346 Wall exposure switch

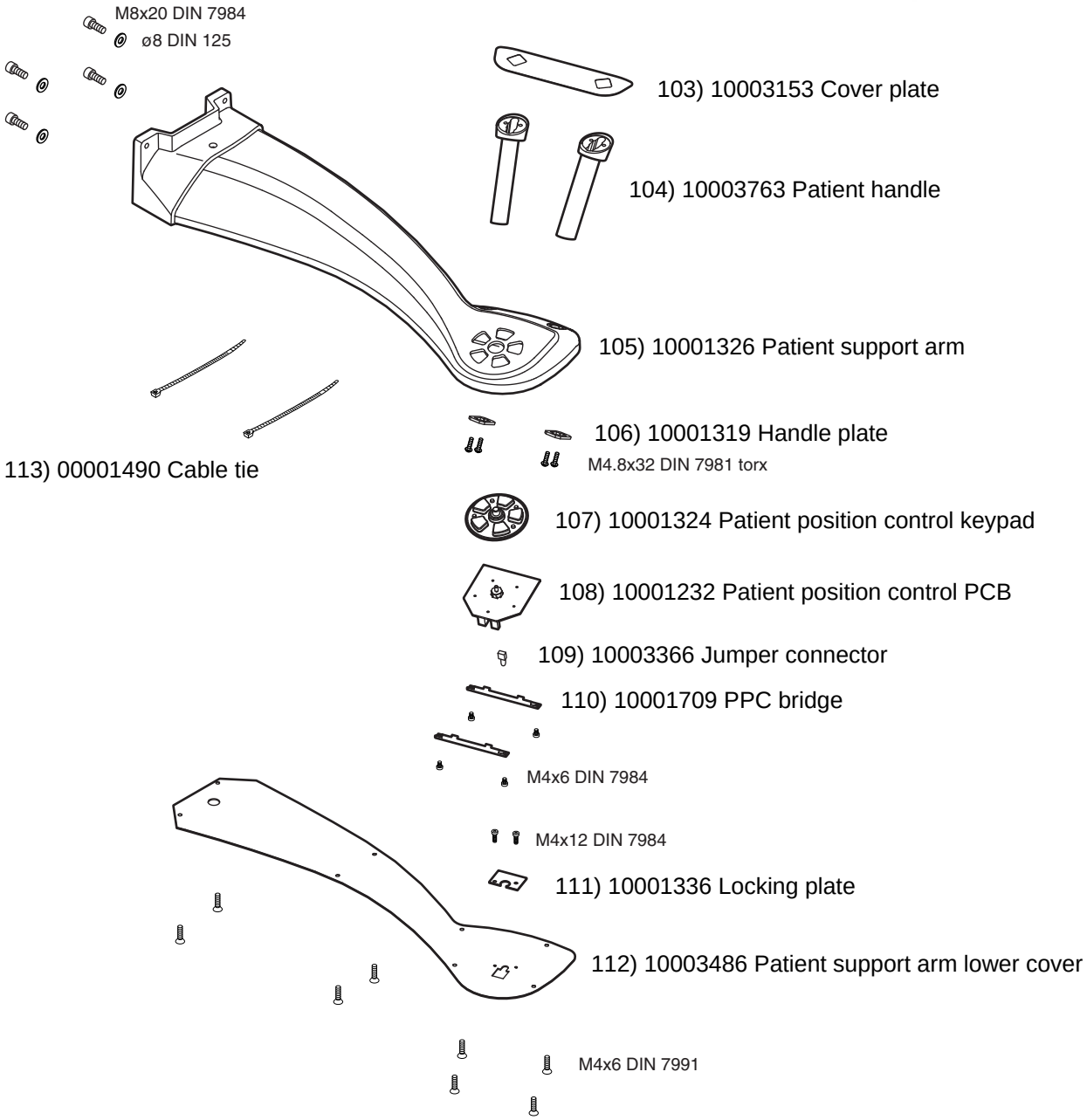


545) 10008347 Additional wall exposure switch



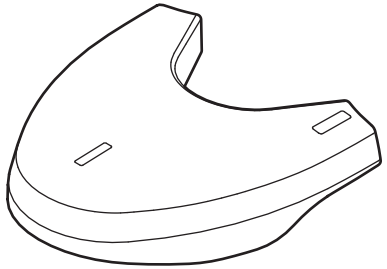
Selected items:

Patient support arm


M8x20 DIN 7984
ø8 DIN 125
103) 10003153 Cover plate
104) 10003763 Patient handle
105) 10001326 Patient support arm
106) 10001319 Handle plate
M4.8x32 DIN 7981 torx
113) 00001490 Cable tie
107) 10001324 Patient position control keypad
108) 10001232 Patient position control PCB
109) 10003366 Jumper connector
110) 10001709 PPC bridge
M4x6 DIN 7984
M4x12 DIN 7984
111) 10001336 Locking plate
112) 10003486 Patient support arm lower cover
M4x6 DIN 7991

Selected items:

Patient support table

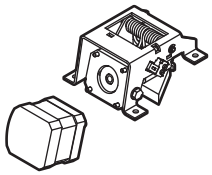


114) 10001327 Patient support cover

M4x6 DIN 7984

115) 10001798 Temple support mechanism

116) 10002232 Motor, temple support

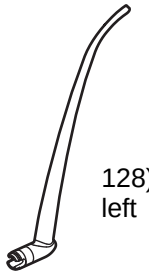


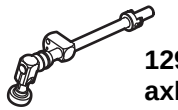
127) 10001273 Temple support, right

126) 10004802 Temple support axle assembly, right

125) 10001277 Cam spring

128) 10001272 Temple support, left





129) 10001806 Temple support axle assembly, left

125) 10001277 Cam spring

M5x16 DIN 7984

M4x6 DIN 7984

ø5 DIN 125

ø5 DIN 2093

124) 10003118 Limiter

118) 10001318 Transferring guide

M4x6 DIN 7984

124) 10003118 Limiter

506) 10006359 Collar plate

123) 10001315 Guide bush

122) 10001316 Guide spring

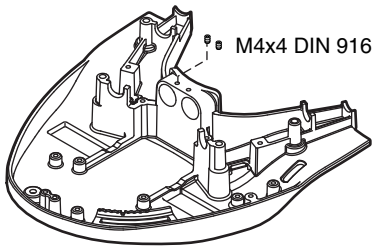
Selected items:

M4x6 DIN 7984

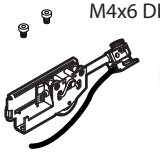
M4x4 DIN 916

119) 10001811 Midsagittal plane light

121) 10001805 Patient support frame



M4x6 DIN 7984



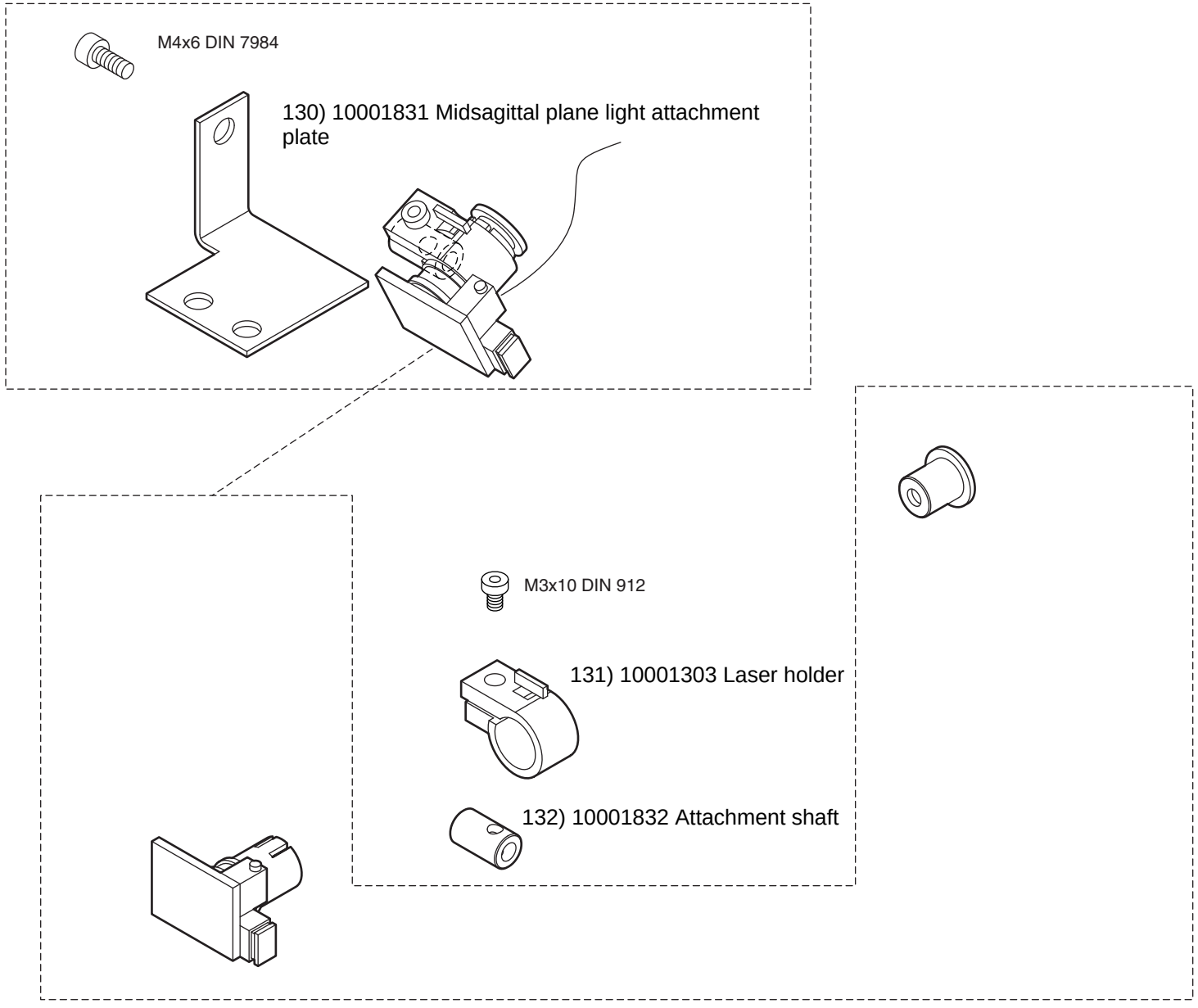
120) 10003668 Layer light

M4x30 DIN 7984

M4x12 DIN 7984

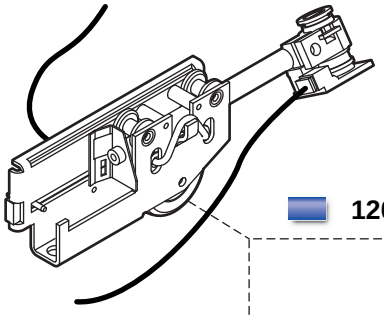
Midsagittal plane light

119) 10001811 Midsagittal plane light


M4x6 DIN 7984
130) 10001831 Midsagittal plane light attachment plate
M3x10 DIN 912
131) 10001303 Laser holder
132) 10001832 Attachment shaft

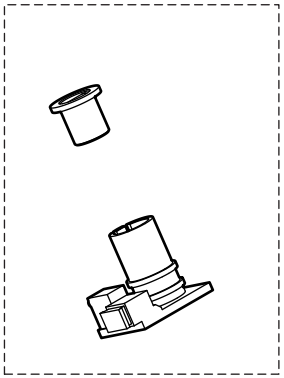
133) 10008798 Laser light assembly

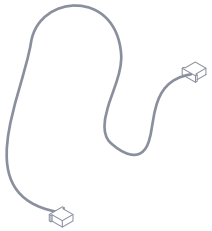
Layer light



120) 10003668 Layer light

133) 10008798 Laser light assembly



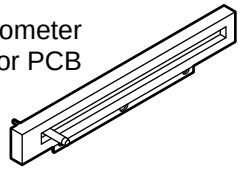


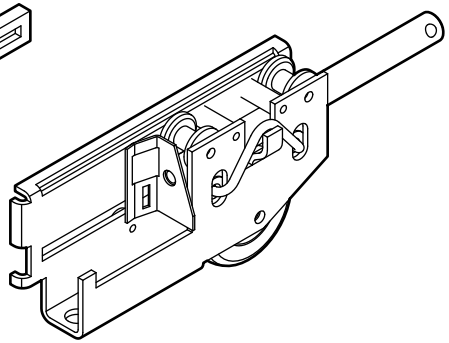
see page F-3

131) 10001303 Laser holder

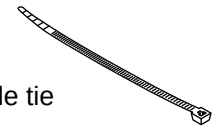
M3x10 DIN 912

134) 10003597 Laser potentiometer connector PCB





113) 00001490 Cable tie



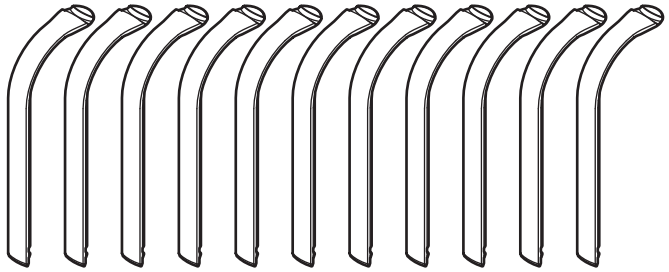
135) 10001792 Layer light roller assembly

Selected items:

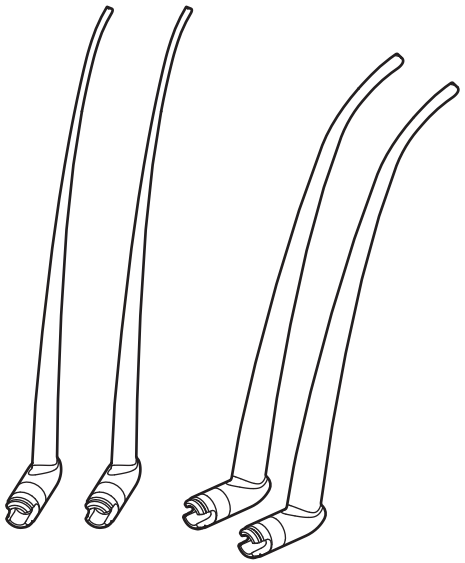
Patient supports and bite registration plate

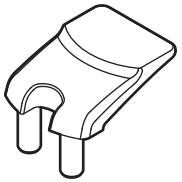
136) 10004051 Patient support sets

137) 10004280 Bite piece set



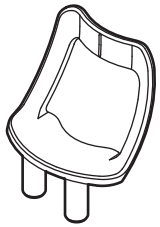
138) 10004764 Temple support pair



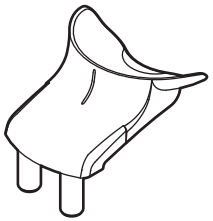


139) 10001290 Chin rest

504) 10007583 Chin rest spacer

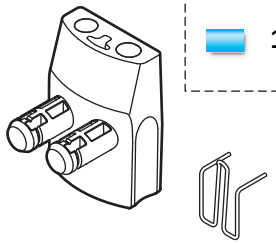


140) 10001292 Chin support



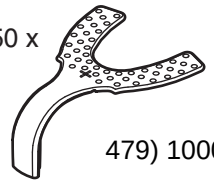
141) 10001291 Chin cup

142) 10001293 Adapter



478) 10005182 Bite registration plate set

50 x



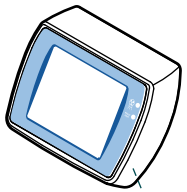
479) 10004765 Impression plate

2 x

480) 10005192 Impression plate`s rod

Selected items:

Graphic EL interface



144) 10004616 User interface box and EL electronics

153) 10003613 Flat cable

PT 3x12 rst WN1451 torx

M3x6 ISO 7380

151) 10002784 GUI PCB

152) 00003511 Jumper

M3x6 ISO 7380

148) 10005059 EL interface touch panel

150) 10001402 Connector frame

149) 10001414 Spacer

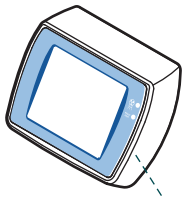
147) 10003119 Light bar

146) 10001415 Graphic interface box

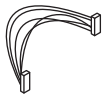
145) 10003504 GUI display membrane

Selected items:

Graphic LCD interface



154) 10003608 User interface box and LCD



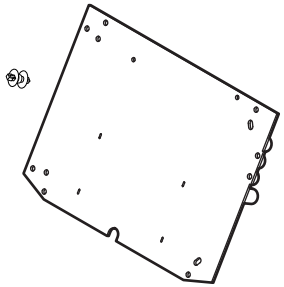
160) 10002980 Backlight interface cable

PT 3x12 rst WN1451 torx
M3x6 ISO 7380

562) 10009492 Cupped dual locking circuit board support

157) 10002312 Inverter

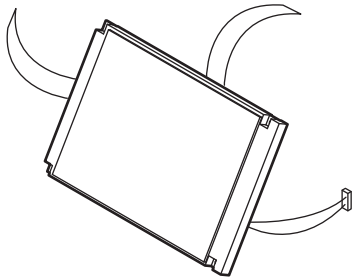
M3x6 ISO 7380



151) 10002784 GUI PCB

156) 10004388 Ferrite

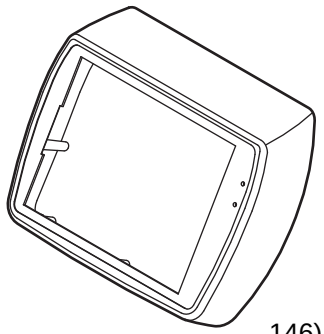
155) 10002310 Gunze touch panel unit G-22S-7



150) 10001402 Connector frame

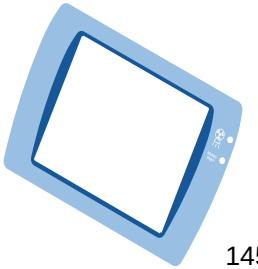
158) 10001363 LCD spacer

Selected items:



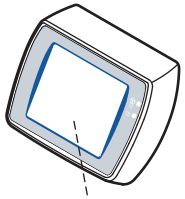
147) 10003119 Light bar

146) 10001415 Graphic interface box

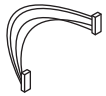


145) 10003504 GUI display membrane

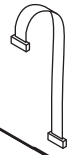
Graphic colour TFT user interface



564) 10010353 Colour user interface box and TFT electronics



565) 10009327 GUI-backlight cable, TDK

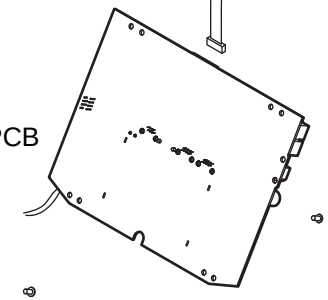


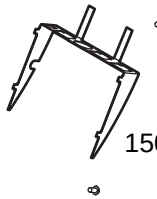
573) 10009908 FFC cable

PT rst 3x12 WN1451 torx

M2.3x12 DIN 84

566) 10009280 Colour GUI PCB

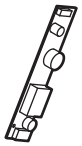




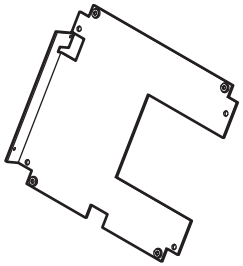
150) 10001402 Connector frame

567) 10009240 Spacer

568) 10009906 Backlight inverter TDK

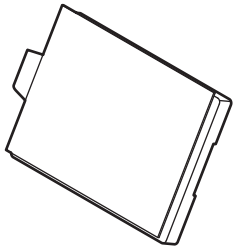


569) 10009238 TFT sharp display frame

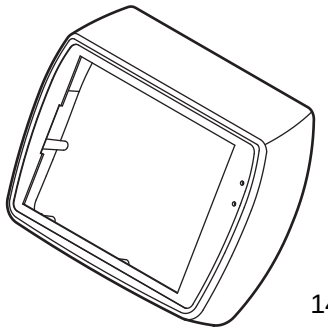


572) 10010151 GUI spacer

PT rst 30x8 WN1451 torx

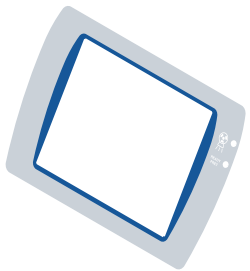


571) 10010365 Colour GUI touch



147) 10003119 Light bar

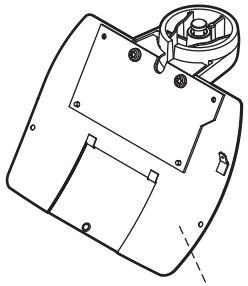
146) 10001415 Graphic interface box



570) 10010255 Colour GUI display membrane

Selected items:

User interface support

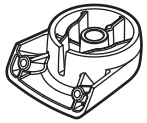


563) 10001613 Cover earthing cable

Selected items:

161) 10001659 User interface support

163) 10001334 Grip pin

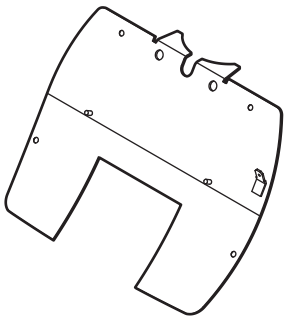


164) 10008926 User interface bar

ø6.4/12.5 DIN 125

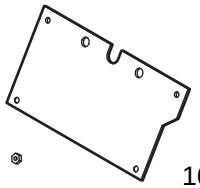
M6x16 DIN 7984

PT 3x12 rst WN1451 torx



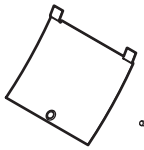
165) 10003152 Support plate

M5x16 DIN 7500



M3 DIN 934

167) 10001360 Fork

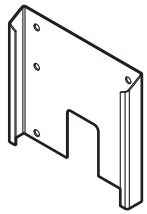


166) 10003481 Cover

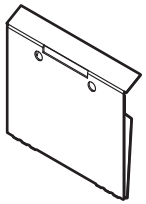
PT 3x12 rst WN1451 torx

492) 00327035 Expansion anchor

491) 10004283 Attachment plate



Aspa-screw 4x30



490) 10004282 Holder

SCARA3- Shoulder arm parts 1

Selected items:

168) 10002373 Fastening of shoulder joint sensor

M5x8 DIN 7984

169) 10005237 Shoulder joint sensor switch

M5x35 DIN 7984

170) 10005235 Shoulder joint angle sensor

see page F-1

171) 10001509 Sensor base

see page F-1

182) 10001514 Spacer plate

M5x8 DIN 7984

181) 10001524 Sensor arm for elbow joint

M5x50 DIN 7984

M4x12 DIN 916

M4x8 DIN 913

180) 10001510 Cable leed-through reel

179) 10002381 Elbow joint cable guide

172) 10003855 Lead through bushing

M5x12 DIN 7984

173) 10001449 Chain wheel

M5x12 DIN 7984

177) 00007016 Cable tie anchor

178) 10002648 Cable wear protector

113) 00001490 Cable tie

M5x16 DIN 7991

M5x12 DIN 7984

ø5 DIN 125

486) 10001185 Bearing flange 65

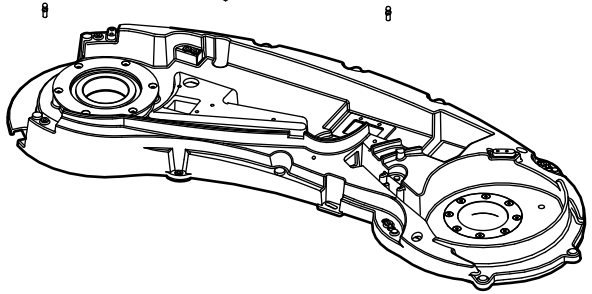
174) 10001502 Shoulder joint cable guide

M5x8 DIN 7984

177) 00007016 Cable tie anchor

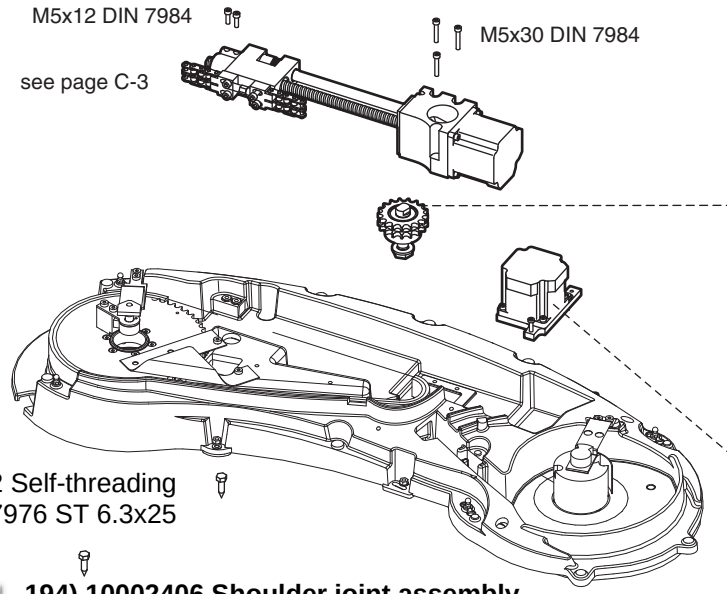
176) 10004530 Ball head screw

113) 00001490 Cable tie



175) 10005060 Shoulder arm casting, SCARA3

SCARA3- Shoulder arm parts 2



183) 10001554 Flip wheel mounting

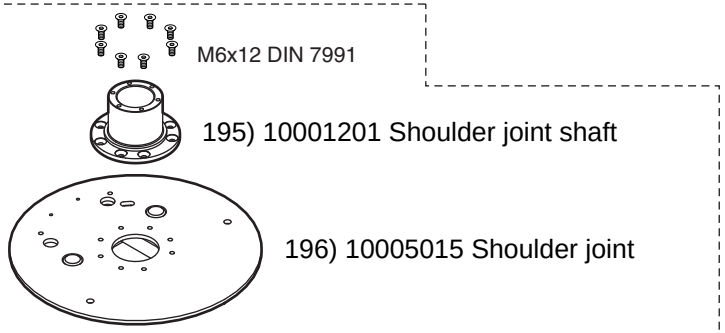
184) 10001454 Flip shaft

185) 10001553 Flip wheel

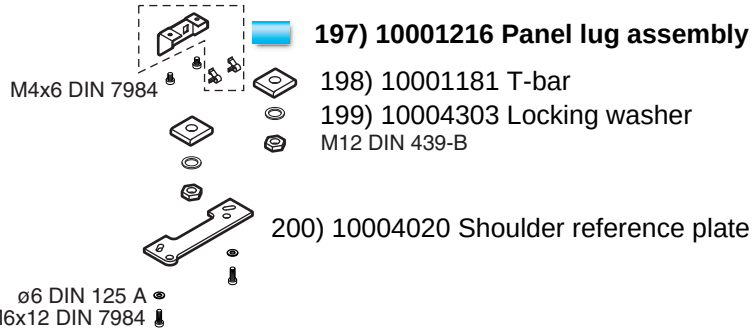
186) 10001451 Guide sledge
ø12 DIN 125
M12 DIN 439-B

Selected items:

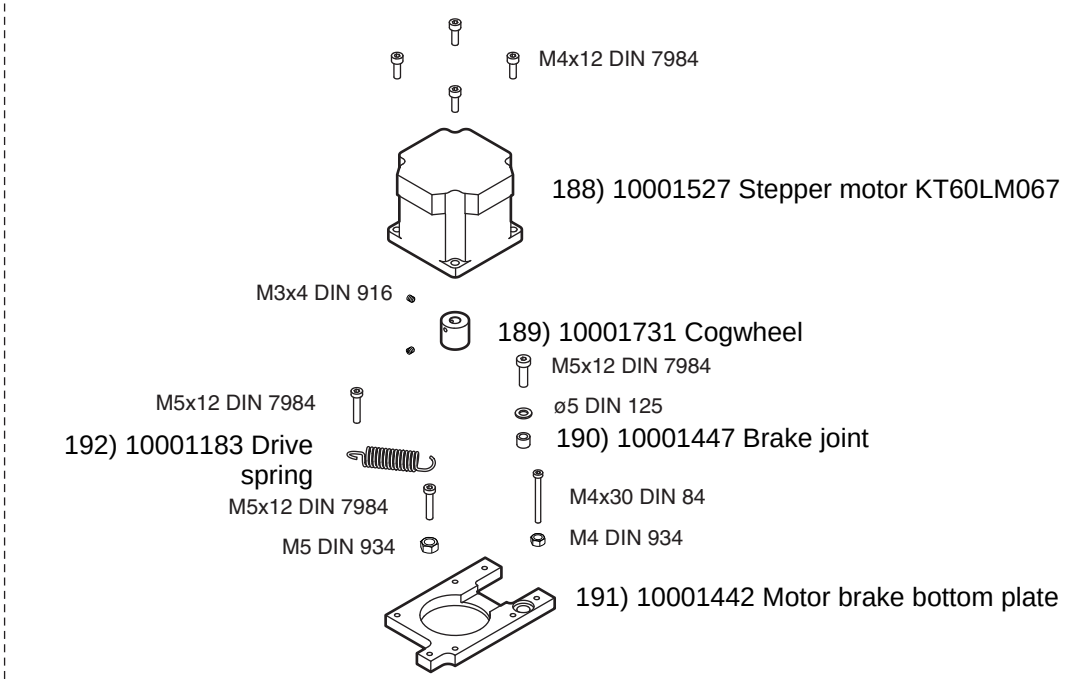
194) 10002406 Shoulder joint assembly



197) 10001216 Panel lug assembly



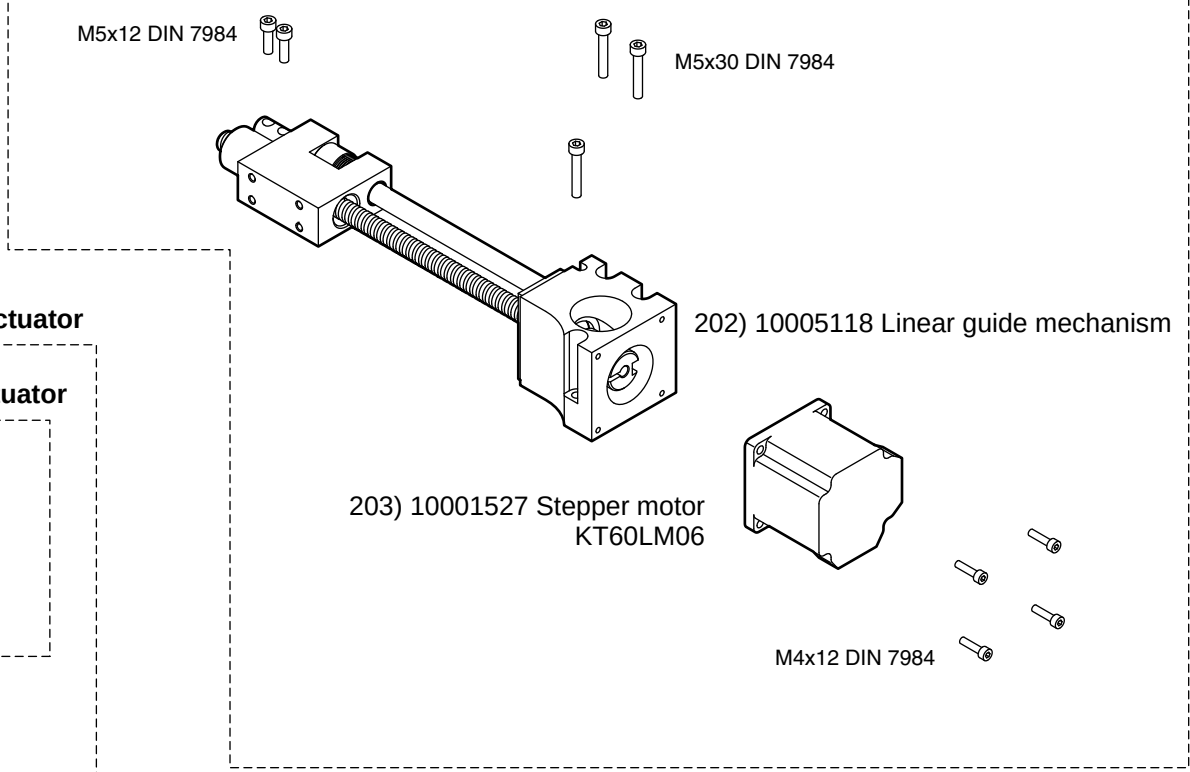
187) 10002403 Elbow actuator



SCARA3- Linear actuator

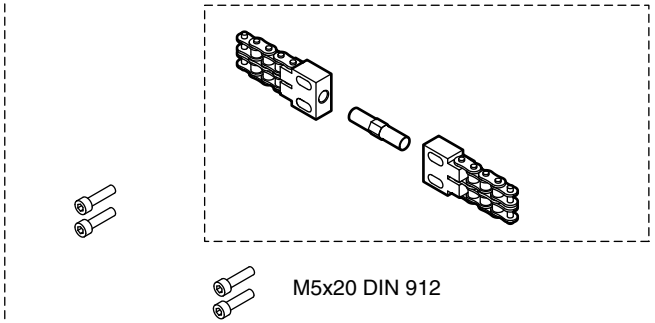
Selected items:

201) 10001551 Linear actuator



204) 10002367 Chain fastening to linear actuator

205) 10001559 Chain for linear actuator



SCARA2- Shoulder arm parts 1

Selected items:

see page F-1

182) 10001514 Spacer plate

M5x8 DIN 7984

181) 10001524 Sensor arm for elbow joint

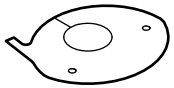
M5x50 DIN 7984

M4x12 DIN 916

M4x8 DIN 913

180) 10001510 Cable leed-through reel

179) 10002381 Elbow joint cable guide



178) 10002648 Cable wear protector

M5x12 DIN 7984

177) 00007016 Cable tie anchor

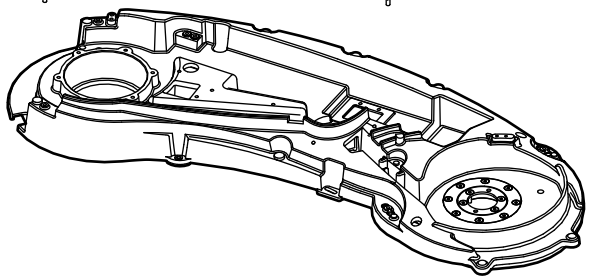
113) 00001490 Cable tie

M5x8 DIN 7984

177) 00007016 Cable tie anchor

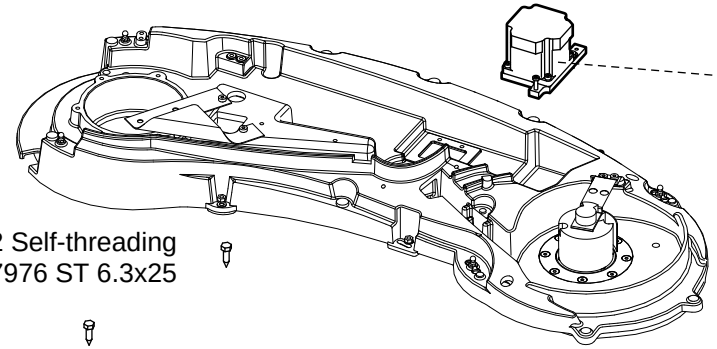
176) 10004530 Ball head screw

113) 00001490 Cable tie



206) 10005064 Shoulder arm casting, SCARA2

SCARA2- Shoulder arm parts 2

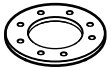


193) 10002412 Self-threading screw DIN 7976 ST 6.3x25

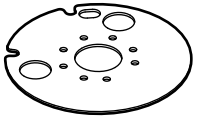
207) 10002405 Shoulder joint assembly

M6x25 DIN 912

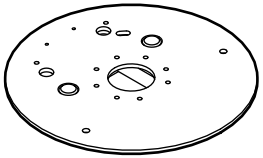
ø6 DIN 125



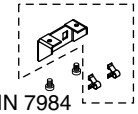
208) 10002448 Shoulder arm mounting flange



209) 10002447 Spacer plate for shoulder arm



196) 10005015 Shoulder joint



M4x6 DIN 7984

197) 10001216 Panel lug assembly

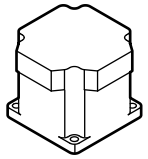
198) 10001181 T-bar

199) 10004303 Locking washer

M12 DIN 439-B

187) 10002403 Elbow actuator

M4x12 DIN 912



188) 10001527 Stepper motor KT60LM067

M3x4 DIN 916

189) 10001731 Cogwheel

M5x12 DIN 7984

ø5 DIN 125

M5x12 DIN 7984

192) 10001183 Drive spring

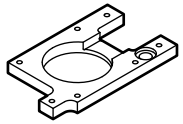
190) 10001447 Brake joint

M5x12 DIN 7984

M4x30 DIN 84

M5 DIN 934

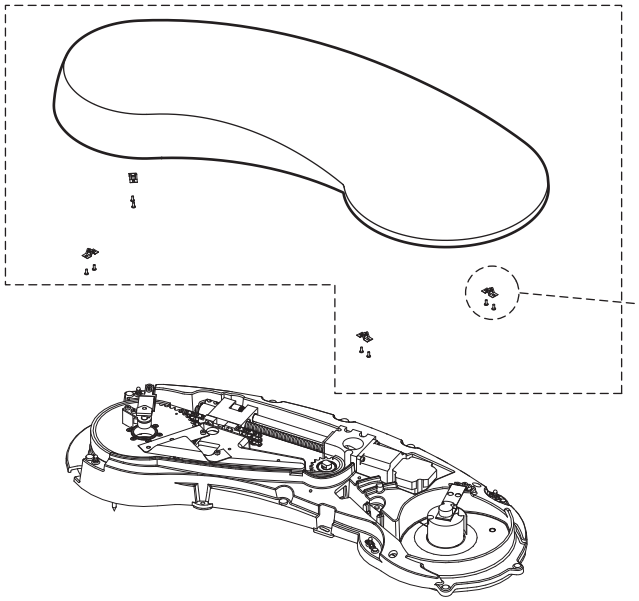
M4 DIN 934



191) 10001442 Motor brake bottom plate

Selected items:

Shoulder arm cover and elbow arm



210) 10001561 Shoulder arm cover

211) 10001562 Mounting spring

Ejot PT WN1411 30x10

215) 10002393 Adhesive tape for traction belt

213) 10002394 Elbow arm traction belt

214) 10002569 Collision rubber

212) 10002387 Elbow arm

Selected items:

215) 10002393 Adhesive tape for traction belt

214) 10002569 Collision rubber

213) 10002394 Elbow arm traction belt

M5 DIN 934

ø5 DIN 125

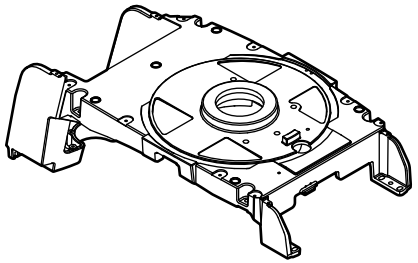
216) 10003744 Cover support spring

ø5 DIN 125

217) 10001210 Shoulder arm bottom cover plate

C-arm parts

Selected items:



218) 10005061 C-arm casting

486) 10001185 Bearing flange 65

M5x16 DIN 7991

219) 10002787 C-arm side laser

M4x6 DIN 7984

219) 10002787 C-arm side laser

M4x6 DIN 7984

220) 10002788 C-arm middle laser

M4x6 DIN 7984

179) 10002381 Elbow joint cable guide

M3x4 DIN 916

180) 10001510 Cable leed-through reel

M5x50 DIN 7984

221) 10001729 Cable plate

M4x6 DIN 7984

222) 10001730 C-arm angle sensor attachment plate

M4x6 DIN 7984

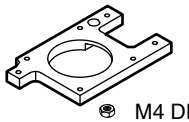
182) 10001514 Spacer plate

see page F-10

see page F-10

M4x6 DIN 7984

223) 10002402 Wrist actuator



191) 10001442 Motor brake bottom plate

M4 DIN 934

M4x30 DIN 84

192) 10001183 Drive spring

190) 10001447 Brake joint

M4 DIN 934

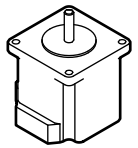
ø5 DIN 125

M4x16 DIN 7984

M5x12 DIN 7984

189) 10001731 Cogwheel

M3x4 DIN 916

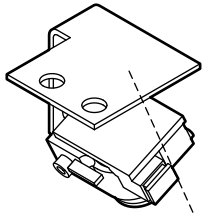


188) 10001527 Stepper motor KT60LM067

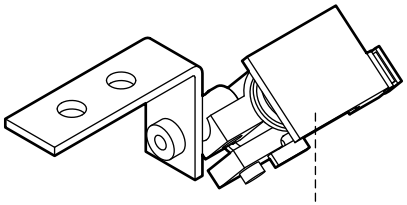
M4x12 DIN 7984

C-arm laser lights

Selected items:



219) 10002787 C-arm side laser



220) 10002788 C-arm middle laser

133) 10008798 Laser light assembly

M4x6 DIN 7984

130) 10001831 Midsagittal plane light attachment plate

132) 10001832 Attachment shaft

131) 10001303 Laser holder

M3x10 DIN 7984

131) 10001303 Laser holder

132) 10001832 Attachment shaft

M3x10 DIN 7984

224) 10001833 Middle laser attachment plate

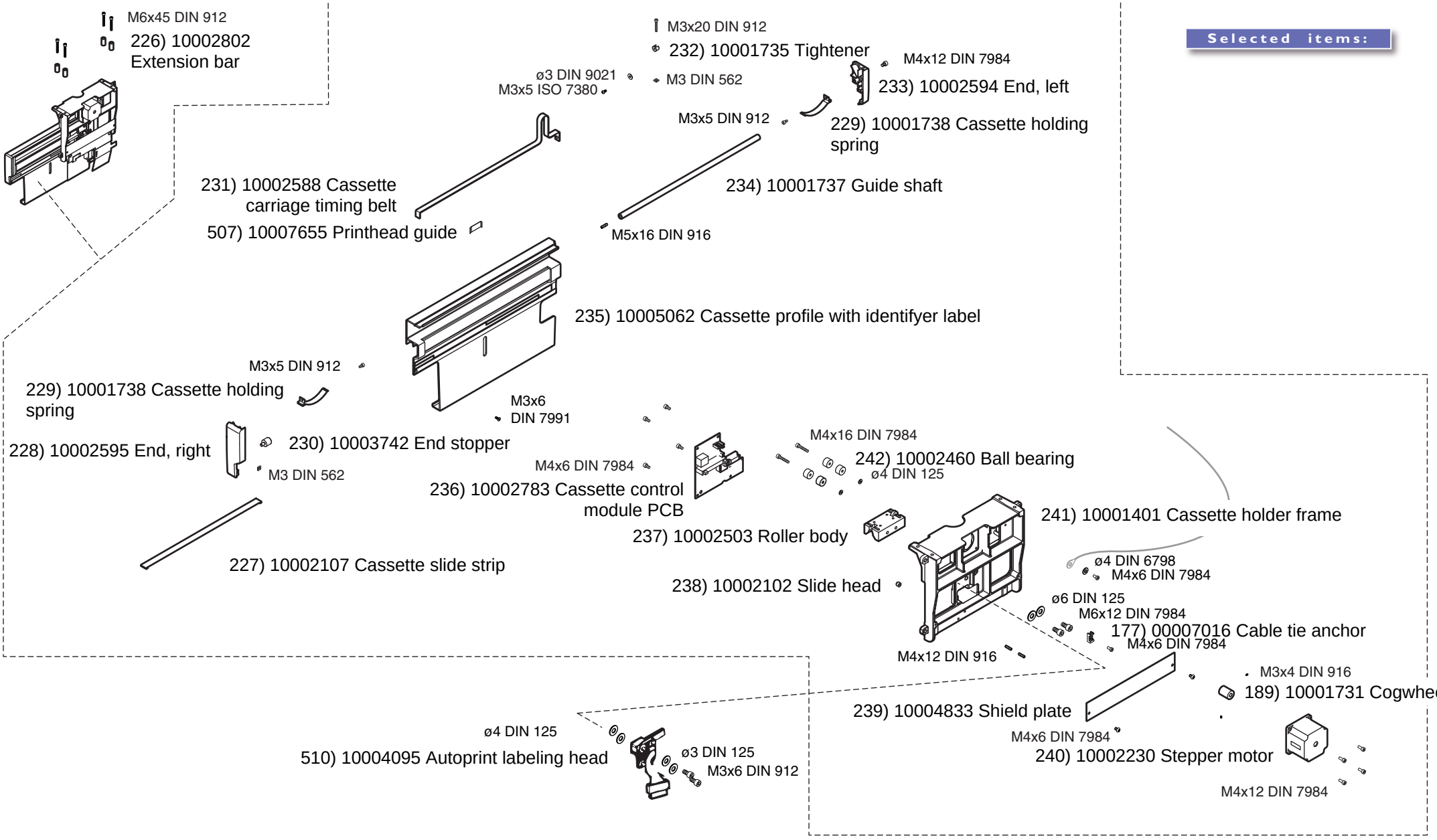
M3x10 DIN 7984

133) 10008798 Laser light assembly

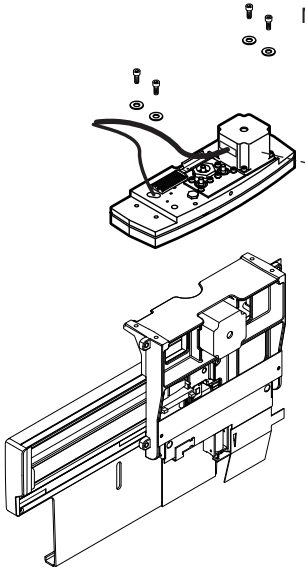
Cassette carriage

225) 10002457 Cassette carriage

Selected items:



Cassette carriage rotation



M6x16 DIN 7984
ø6 DIN 125

243) 10002458 Cassette carriage rotation

M4x12 DIN 7984

240) 10002230 Stepper motor

M3x4 DIN 916
189) 10001731 Cogwheel

M5x12 DIN 7984

ø5 DIN 2093

190) 10001447 Brake joint

244) 10001715 Motor plate

245) 10002804 Upper rotation body

M6x16 DIN 7984

M6x16 DIN 7984

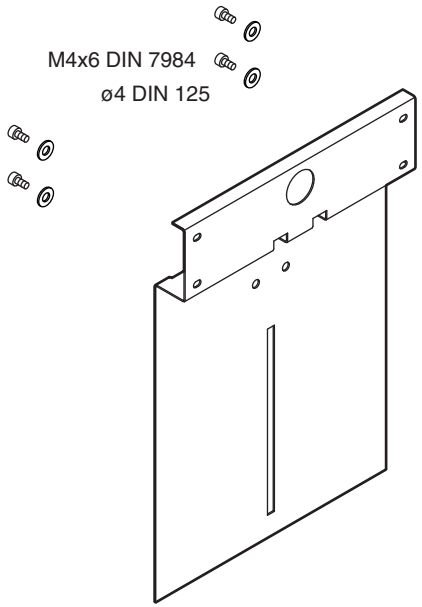
246) 10002807 Lower rotation body

247) 10002806 Cassette rotation belt

Selected items:

Fixed secondary collimator

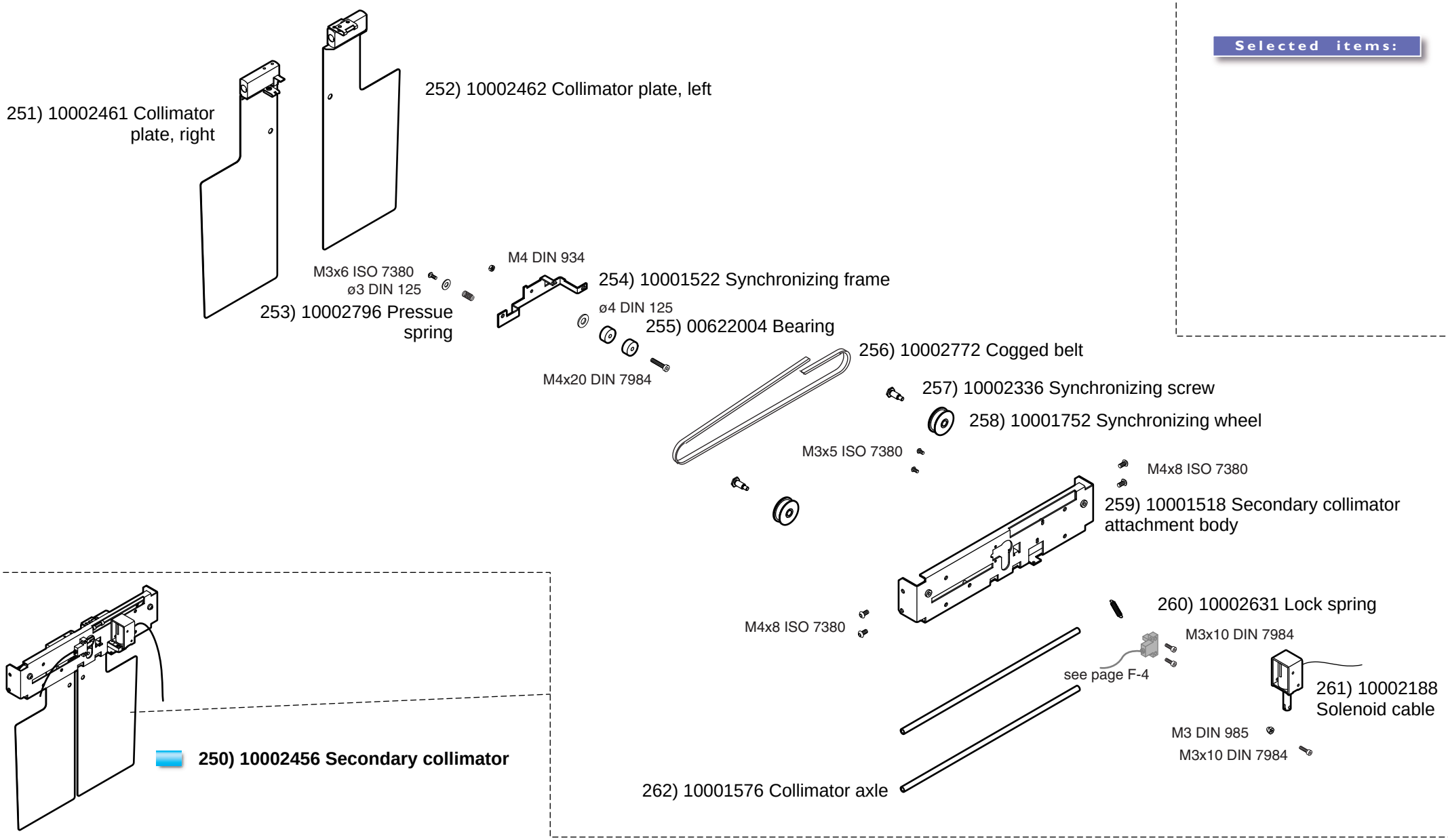
248) 10004090 Fixed secondary collimator



249) 10002697 Fixed secondary collimator plate

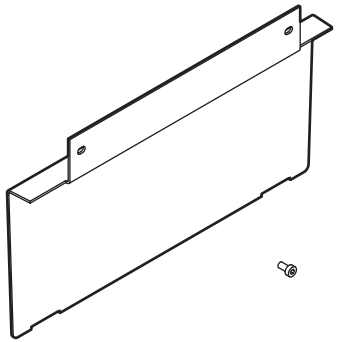
Secondary collimator

Selected items:



Fixed shield, without AEC

263) 10004081 Fixed shield

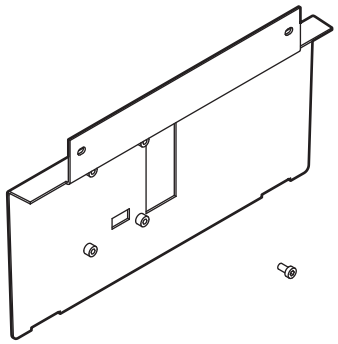


264) 10004076 Fixed shield, leaded

M4x6 DIN 7984

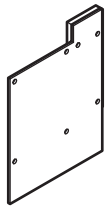
Fixed shield, with AEC

517) 10004082 Fixed shield, with AEC (includes cassette carriage AEC cable, see page F-4)



518) 10004077 Fixed AEC-shield, leaded

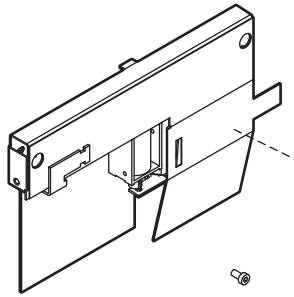
M4x6 DIN 7984



519) 10007820 AEC PCB and sensor assembly

M4x6 DIN 7984

Moving shield, without AEC



M4x6 DIN 7984

266) 10004083 Moving shield

267) 10001526 Guide bushing

268) 10003050 Guide shaft

269) 10003611 Reference plate

M4x6 DIN 7984

270) 10004079 Moving shield, leaded

M4x6 DIN 7984

M6x8 DIN 912

M4x6 ISO 7380

ø4 DIN 125

272) 10001750 Slide axle

Selected items:

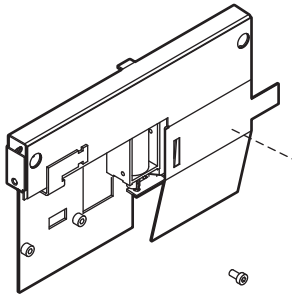
271) 10002093 Cephbeam avoiding movement device

273) 10004086 Shield frame, leaded

ø4 DIN 125

M4x6 ISO 7380

Moving shield, with AEC



M4x6 DIN 7984

520) 10004084 Moving shield with AEC (includes cassette carriage AEC cable, see page F-4)

267) 10001526 Guide bushing

268) 10003050 Guide shaft

269) 10003611 Reference plate

M4x6 DIN 7984

521) 10004080 Moving AEC-shield, leaded

M4x6 DIN 7984
M6x8 DIN 912

519) 10007820 AEC PCB and sensor assembly

M4x6 ISO 7380
ø4 DIN 125

M4x6 DIN 7984

272) 10001750 Slide axle

273) 10004086 Shield frame, leaded

ø4 DIN 125
M4x6 ISO 7380

271) 10002093 Cephbeam avoiding movement device

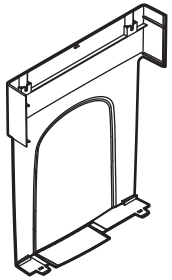
Selected items:

Cassette carriage covers

274) 10002523 Cassette carriage front cover

M4x8 DIN 7984

275) 10002501 Washer

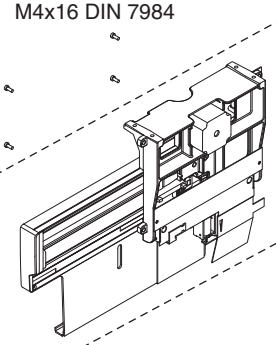


276) 10001480 Cassette carriage front cover

277) 10002586 Finger shield

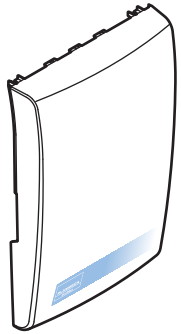
278) 10002504 Cassette carriage back cover

M4x16 DIN 7984



M4x12 DIN 7984

279) 10002497 Base spring



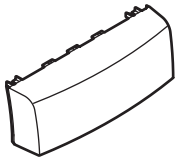
280) 10002505 Cassette carriage top cover

M4x12 DIN 7984

279) 10002497 Base spring

281) 10002340 Speed nut Rapid NU 0604

M4x20 DIN 7984

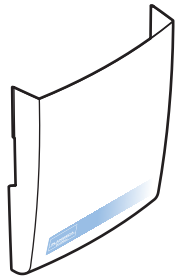


282) 10002528 Cassette carriage top cover

283) 10002525 Cassette carriage lower cover

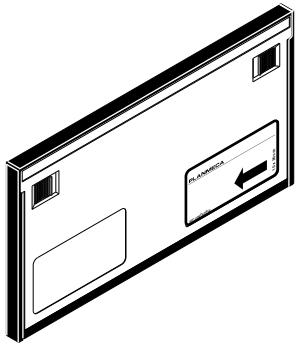
M4x16 DIN 7984

ø4 DIN 125

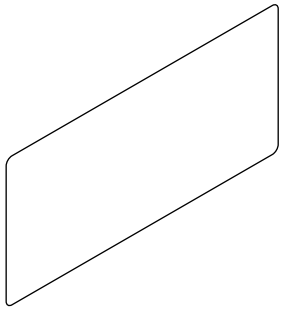


Selected items:

Cassette 15x30cm AEC compatible



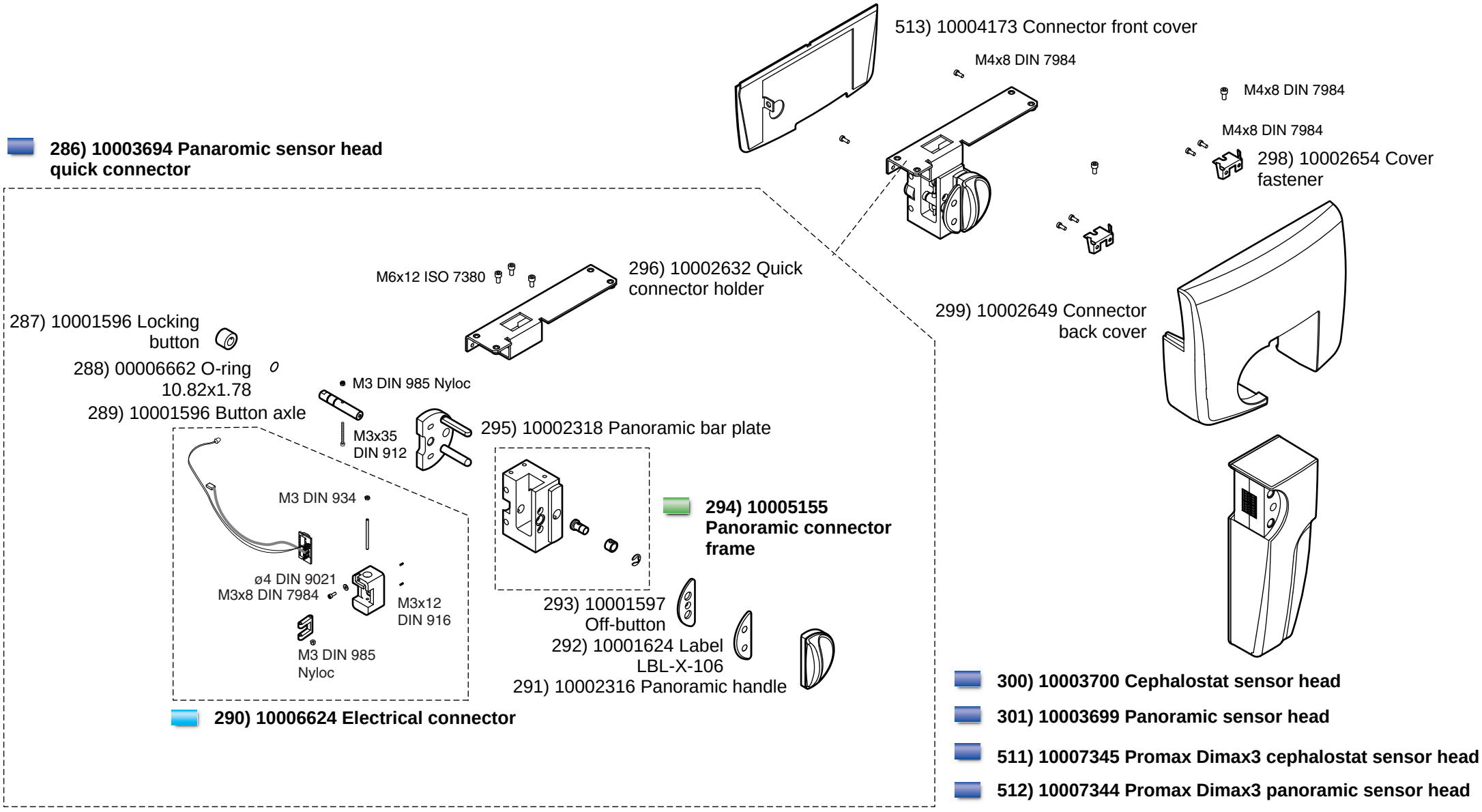
284) 10001287 Cassette, Kodak Lanex Regular



285) 10007201 Intensifying screen, Kodak Ektavision

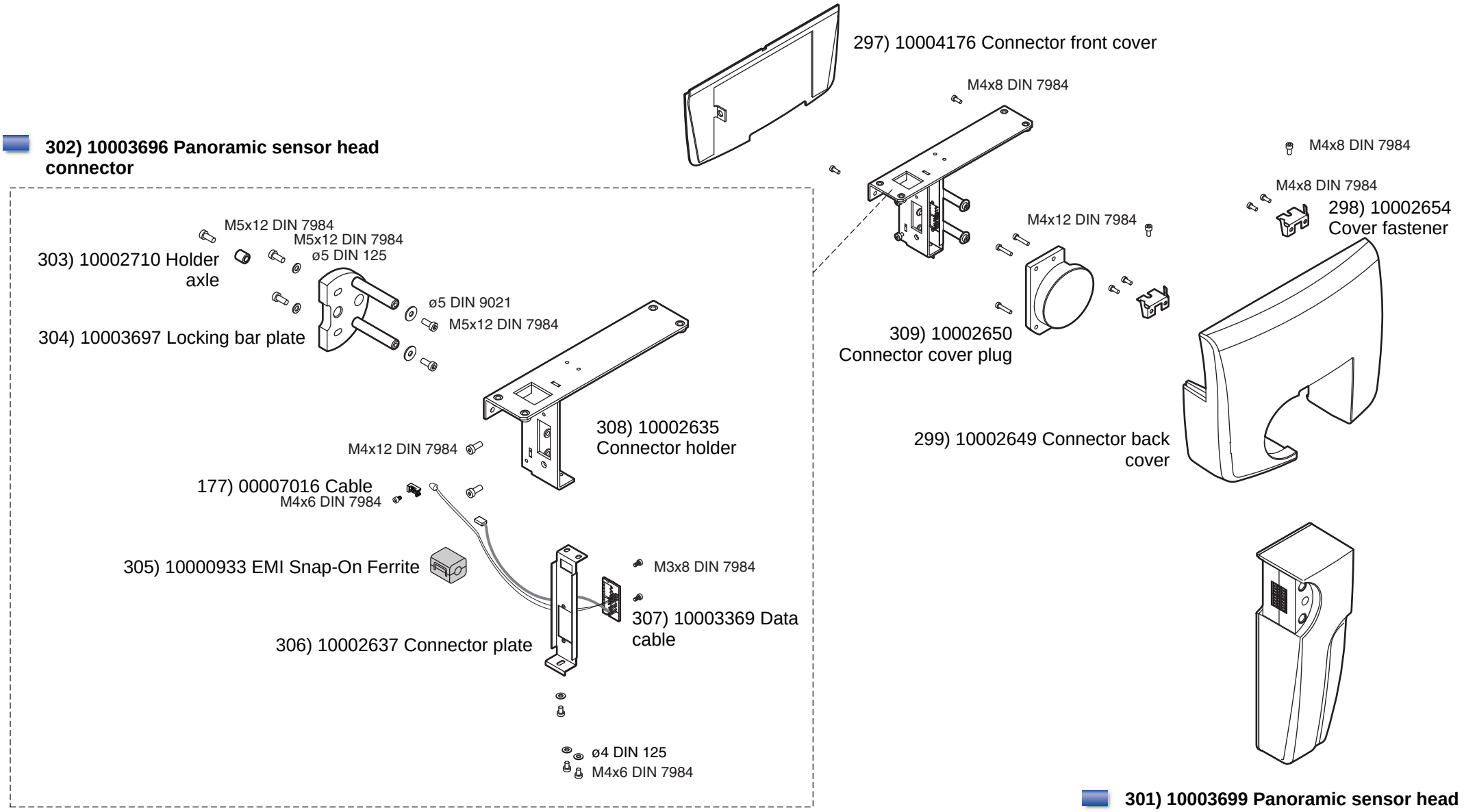
Movable panoramic sensor head

Selected items:

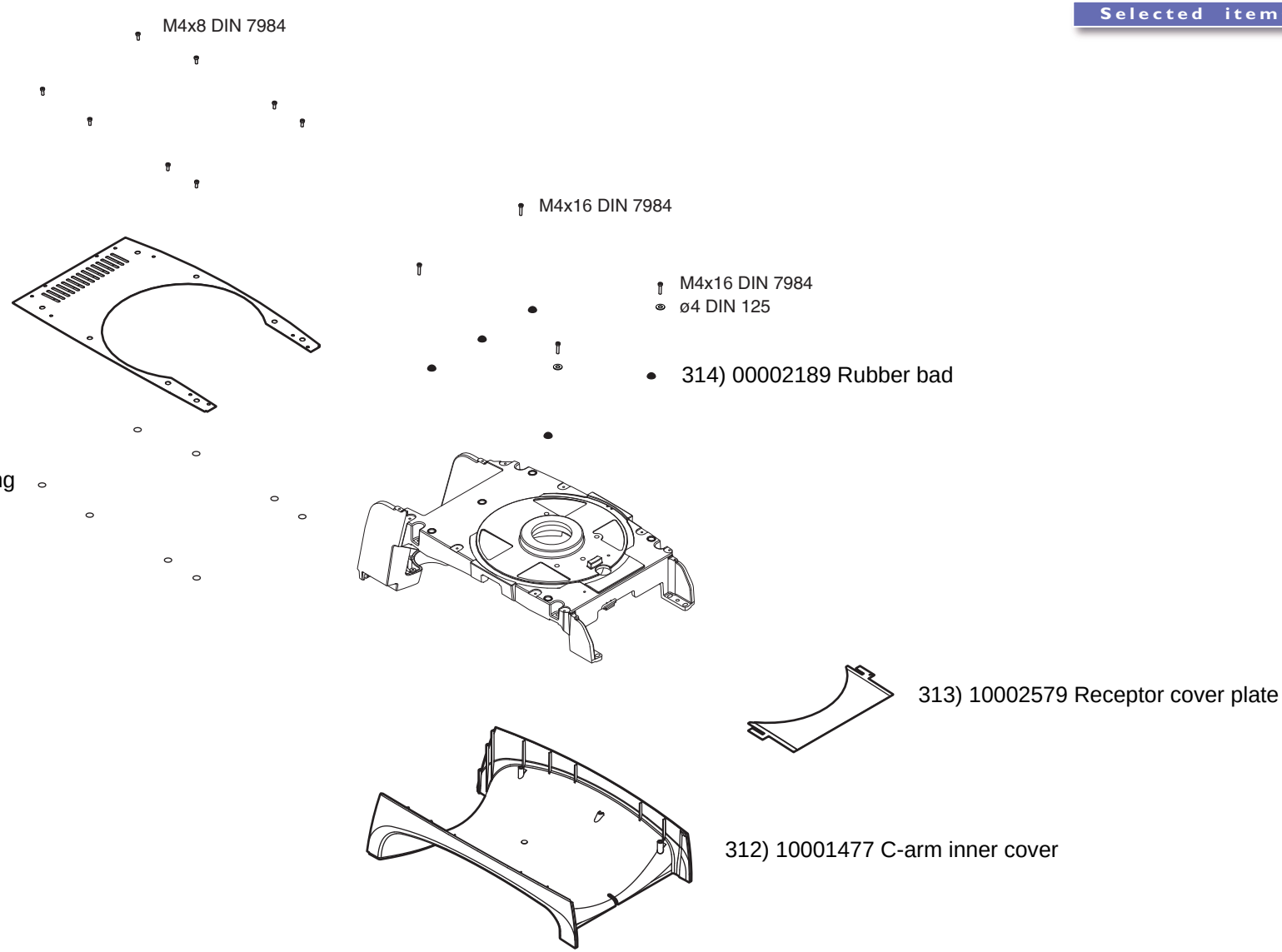

513) 10004173 Connector front cover
M4x8 DIN 7984
M4x8 DIN 7984
M4x8 DIN 7984
298) 10002654 Cover fastener
286) 10003694 Panaromic sensor head quick connector
M6x12 ISO 7380
296) 10002632 Quick connector holder
299) 10002649 Connector back cover
287) 10001596 Locking button
288) 00006662 O-ring 10.82x1.78
289) 10001596 Button axle
M3 DIN 985 Nyloc
M3x35 DIN 912
295) 10002318 Panoramic bar plate
M3 DIN 934
ø4 DIN 9021
M3x8 DIN 7984
M3x12 DIN 916
M3 DIN 985 Nyloc
294) 10005155 Panoramic connector frame
293) 10001597 Off-button
292) 10001624 Label LBL-X-106
291) 10002316 Panoramic handle
290) 10006624 Electrical connector
300) 10003700 Cephalostat sensor head
301) 10003699 Panoramic sensor head
511) 10007345 Promax Dimax3 cephalostat sensor head
512) 10007344 Promax Dimax3 panoramic sensor head

Fixed panoramic sensor head

Selected items:

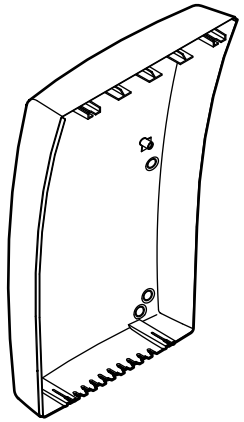


C-arm covers


M4x8 DIN 7984
M4x16 DIN 7984
M4x16 DIN 7984
ø4 DIN 125
310) 10002577 Tube head cover plate
314) 00002189 Rubber bad
311) 00000716 O-ring
313) 10002579 Receptor cover plate
312) 10001477 C-arm inner cover

Tube head

315) 10002499 Tube head back cover



316) 10001479 Tube head back cover

M4x12 DIN 7984

279) 10002497 Base spring

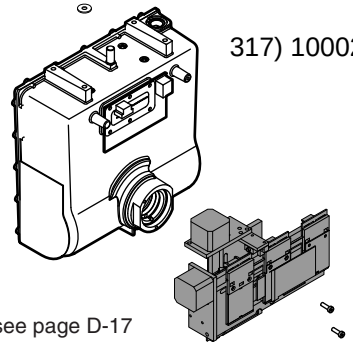
M4x6 DIN 912

319) 10004446 Th-screw

M6x20 DIN 7984

ø6 DIN 9021

M4x16 DIN 7984



317) 10002431 Tube head assembly

see page D-17

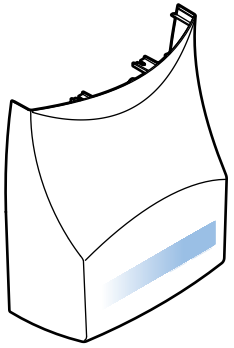
M4x8 DIN 7984

318) 10002498 Tube head front cover

279) 10002497 Base spring

281) 10002340 Speed nut Rapid NU 0604

M4x10 DIN 7984

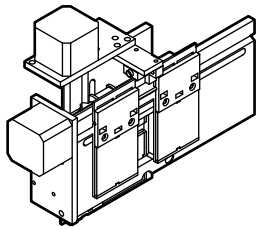


Selected items:

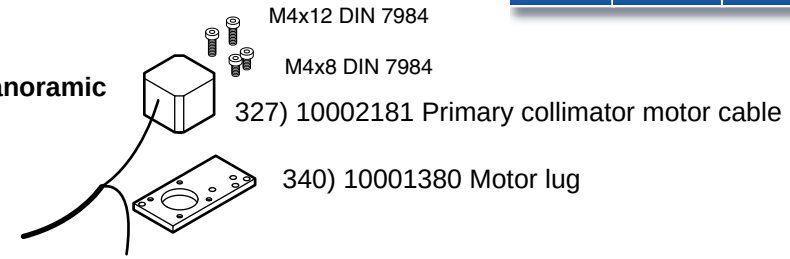
Primary collimator

320) 10004092 Primary collimator, multi panoramic

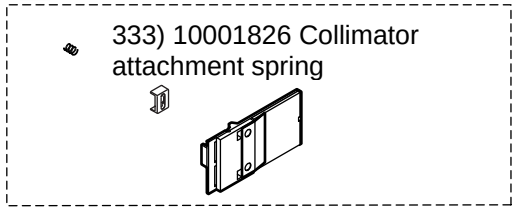
321) 10004091 Primary collimator, digital



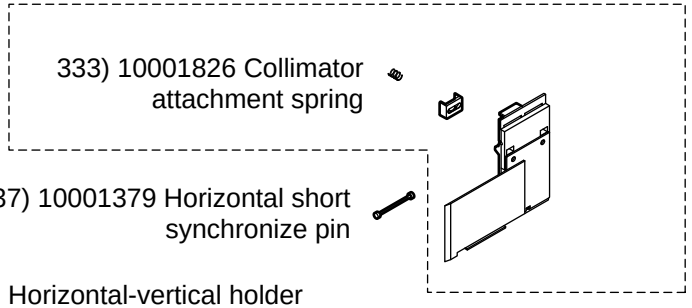
Selected items:

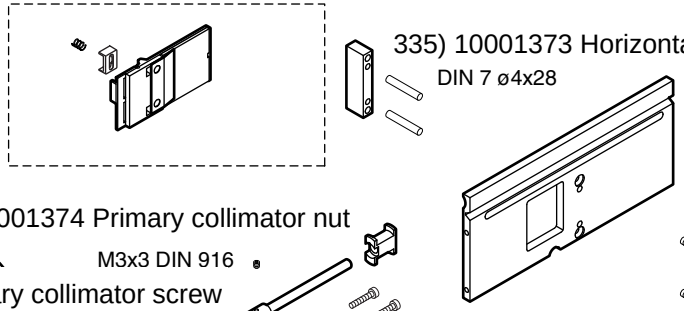

M4x12 DIN 7984
M4x8 DIN 7984
327) 10002181 Primary collimator motor cable
340) 10001380 Motor lug
M3x5 DIN 912
339) 10001382 Sensor holder
M3x3 DIN 916
323) 10001375 Primary collimator screw
M3x10 DIN 912
324) 10001374 Primary collimator nut
325) 00622007 Pin
326) 10001396 Primary collimator vertical body

330) 10002440 Blade

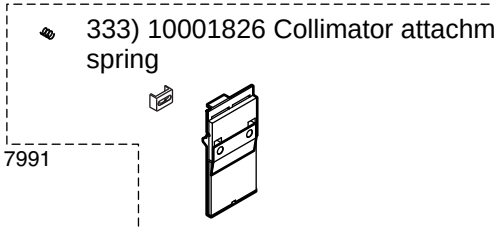


338) 10002443 Soft tissue vedge

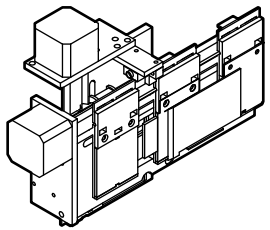


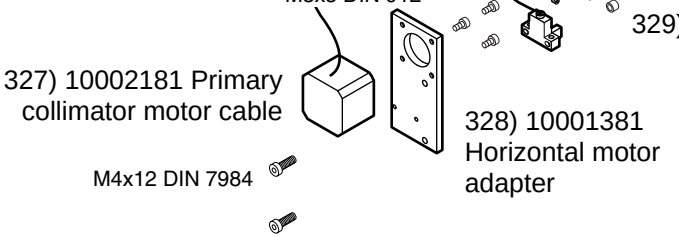


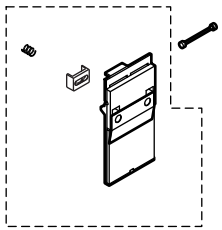
330) 10002440 Blade



322) 10004093 Primary collimator, film ceph







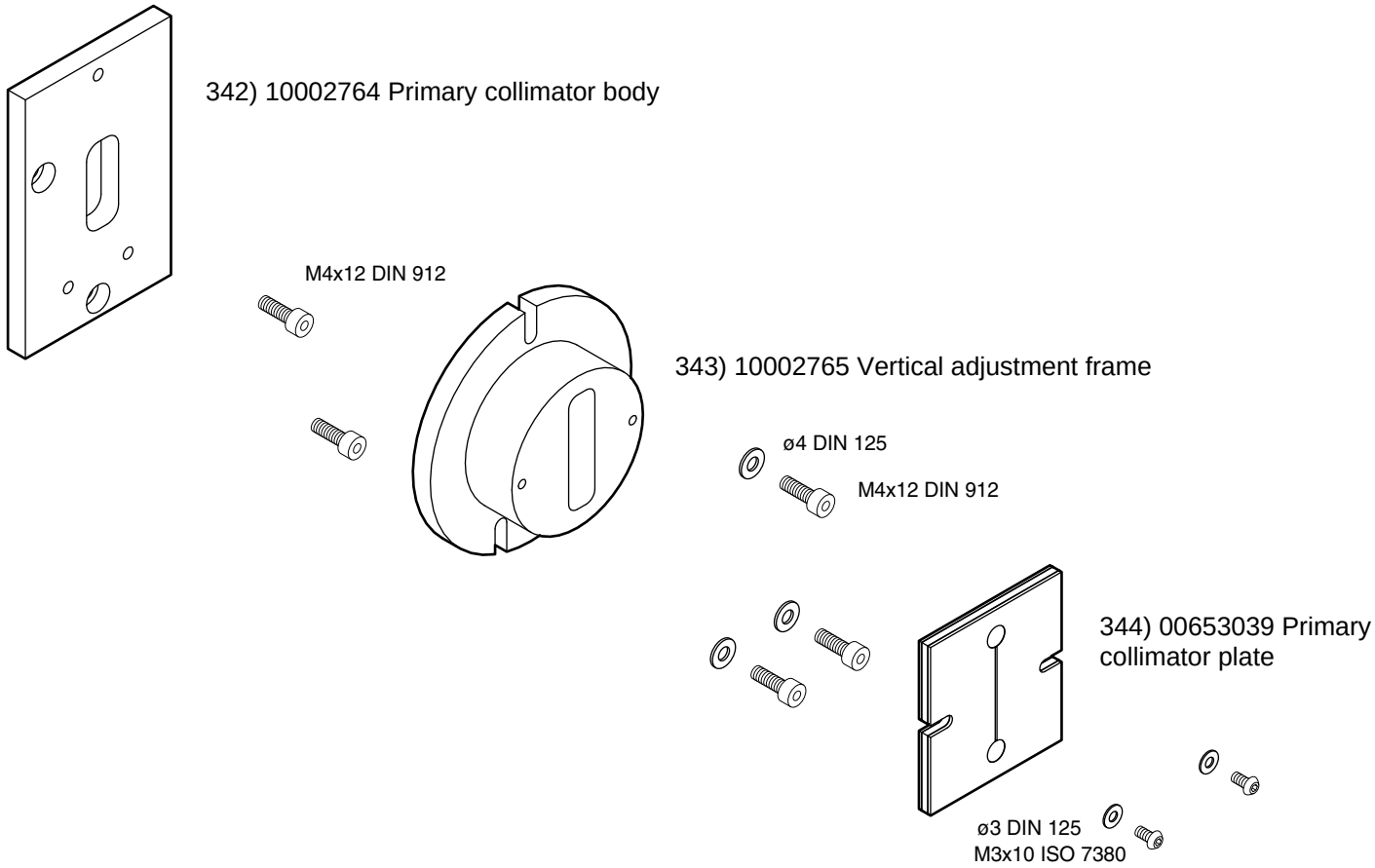
331) 10001378 Horizontal long synchronize pin

332) 10003928 Horizontal synchronize pin, digital

330) 10002440 Blade

Primary collimator, fixed

341) 10002766 Primary collimator, fixed



Film cephalostat housings and arm

M8 DIN 934
ø8 DIN 125

345) 10002616 Cephalostat arm support plate

346) 10005184 Nut M8 DIN 6926-8 Nyloc

M8x50 DIN 835

M8x30 DIN 912

347) 10002678 Swing bolt M8x40 DIN 444

348) 10002701 Cephalostat swing bolt spacer

M8x45 DIN 912

349) 10002615 Cephalostat arm adjusting pin

M8x20 DIN 912

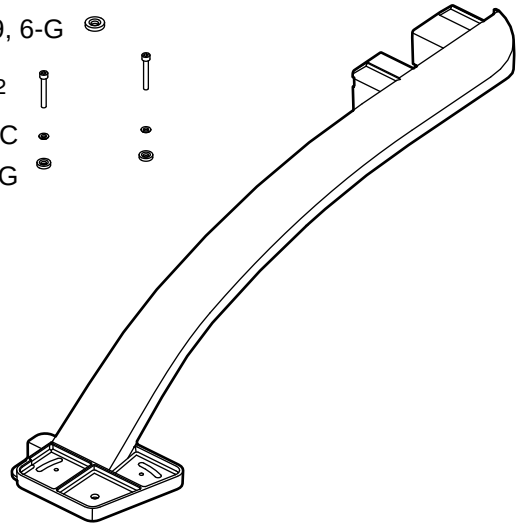
358) 10003983 Washer DIN 6319-8, 4-C

357) 10003984 Washer DIN 6319-9, 6-G

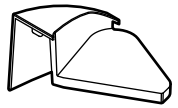
M6x45 DIN 912

356) 10002683 Washer DIN 6319-6, 4-C

355) 10002684 Washer DIN 6319-7, 1-G

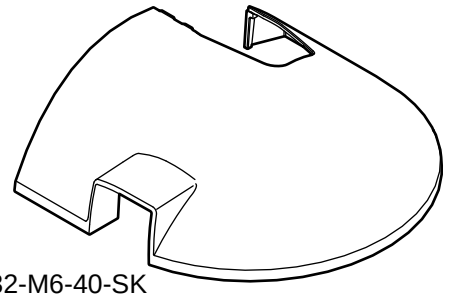


350) 10003045 Cephalostat arm



351) 10002673 Back housing

M5x10 DIN 7984



352) 10002671 Front housing

353) 10002679 Grub screw DIN 6332-M6-40-SK

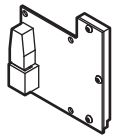
354) 10002680 Thrust pad DIN 6311-12-S

M5x10 DIN 7984

Cephalostat CA body and cassette holder

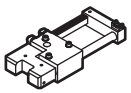
522) 10004002 Cephalostat AEC (includes cephalostat AEC cable, see page F-6)

523) 10006474 TH housing spacer
ø3 DIN 6798
M3x10 DIN 912



359) 10002843 Cephalostat body

M4x6 DIN 7984



360) 10002604 Cassette holder bracket

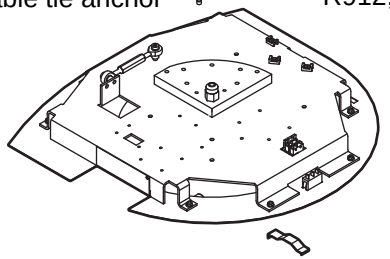
M4x8 DIN 7984

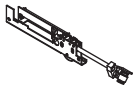
M4x6 DIN 7984

see page F-11

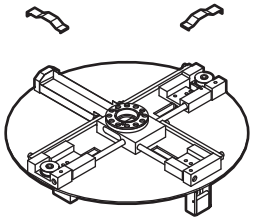
177) 00007016
Cable tie anchor

361) 10003041 Plastic spacer Richco R912, 6.4/4.3x4.8





362) 10002700 Cephalostat CA laser light assembly



363) 10004324 Rotation microswitch activation plate

364) 10002846 Head support mechanism

ø6 DIN 2093

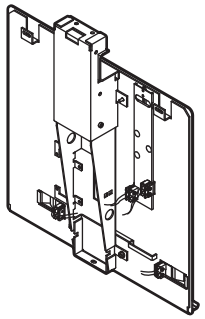
515) 10006567 Rotation scale cover

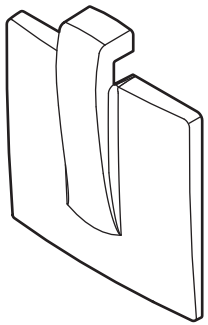
365) 00652191 Rotation scale

ø6 DIN 6798A

M6x16 DIN 912

370) 10004285 Cephalostat CA cassette holder





369) 10002907 Cephalostat cassette holder housing

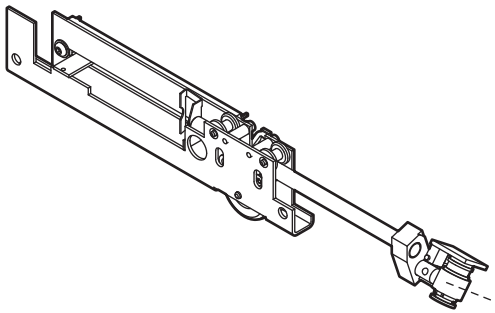
368) 00651003 Ceph ear post, right

366) 00651005 Ceph ear post, left

367) 00651004 Nasal positioner

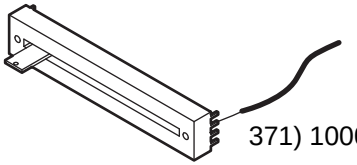
Selected items:

Cephalostat CA laser light assembly

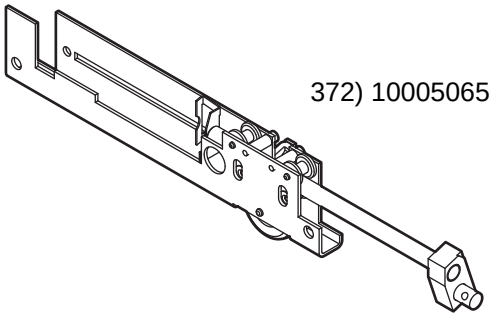


Selected items:

362) 10002700 Cephalostat CA laser light assembly

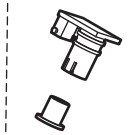


371) 10002647 Ceph potentiometer



372) 10005065 Cephalostat laser light roller assembly

133) 10008798 Laser light assembly



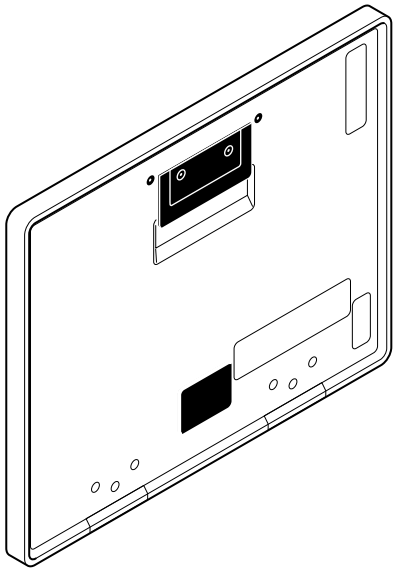
ø4 DIN 125

M4x6 DIN 7984

131) 10001303 Laser holder

M3x10 DIN 912

Cephalostat cassettes



- 373) 10005805 Cassette 18x24 Xmt Leadless LX Reg C2
- 374) 10005806 Cassette 8x10 Xmt Leadless LX Reg C2
- 375) 10005807 Cassette 24x30 Xmt Leadless LX Reg C2

Selected items:

Digital ceph housings and arm

M8 DIN 934
ø8 DIN 125

345) 10002616 Cephalostat arm support plate

346) 10005184 Nut M8 DIN 6926-8 Nyloc

M8x50 DIN 835

M8x30 DIN 912

347) 10002678 Swing bolt M8x40 DIN 444

348) 10002701 Cephalostat swing bolt spacer

M8x45 DIN 912

349) 10002615 Cephalostat arm adjusting pin

M8x20 DIN 912

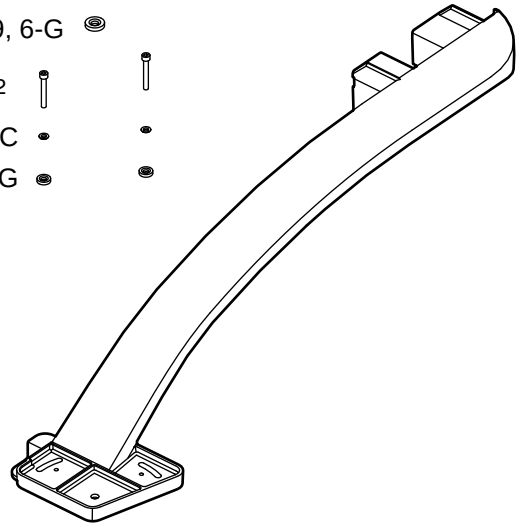
358) 10003983 Washer DIN 6319-8, 4-C

357) 10003984 Washer DIN 6319-9, 6-G

M6x45 DIN 912

356) 10002683 Washer DIN 6319-6, 4-C

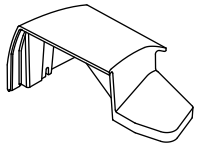
355) 10002684 Washer DIN 6319-7, 1-G



353) 10002679 Grub screw DIN 6332-M6-40-SK

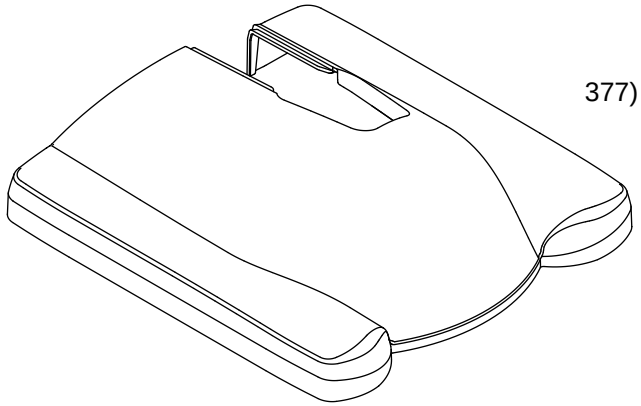
354) 10002680 Thrust pad DIN 6311-12-S

350) 10003045 Cephalostat arm



376) 10003598 Back housing

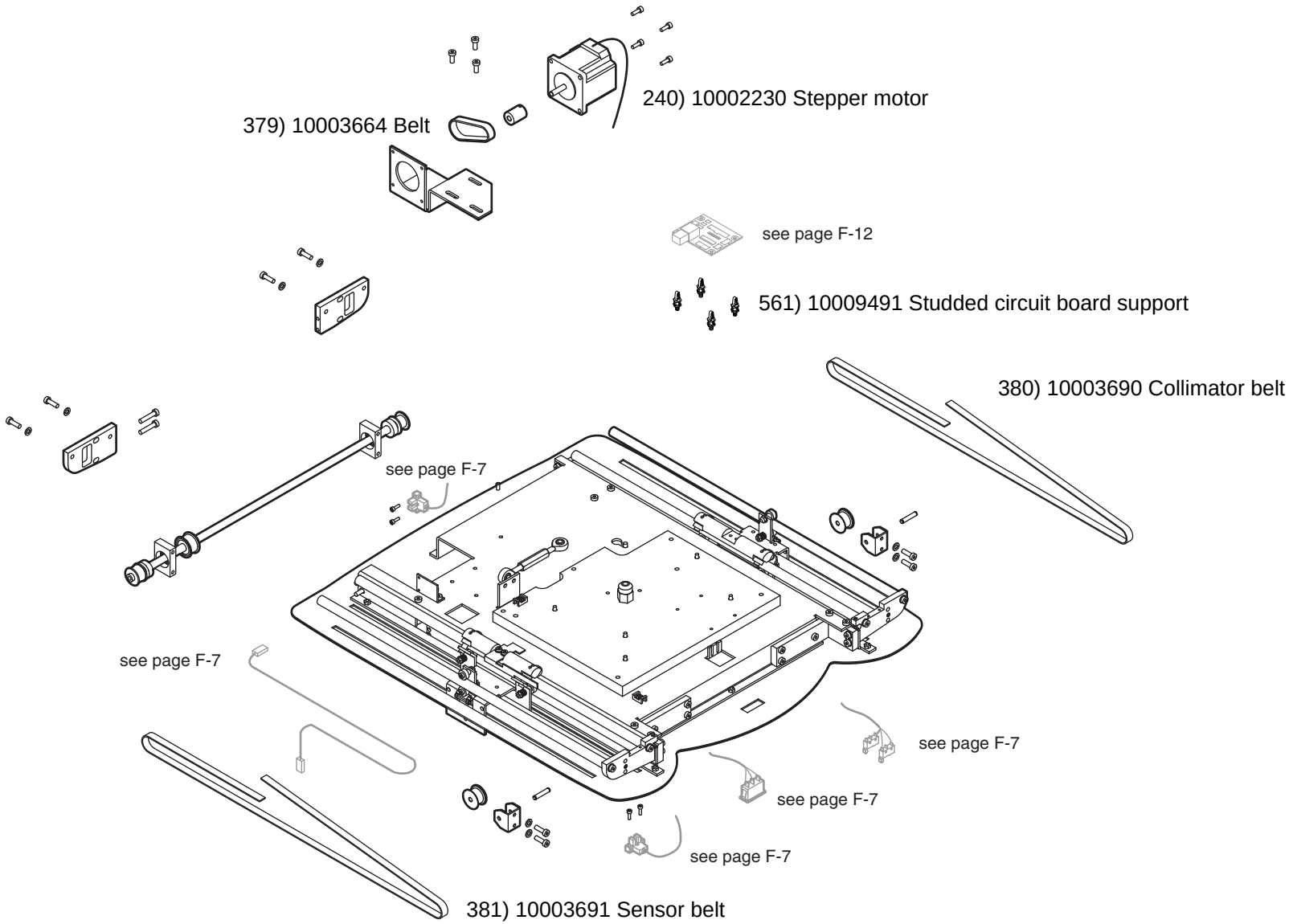
M5x10 DIN 7984



377) 10003596 Front housing

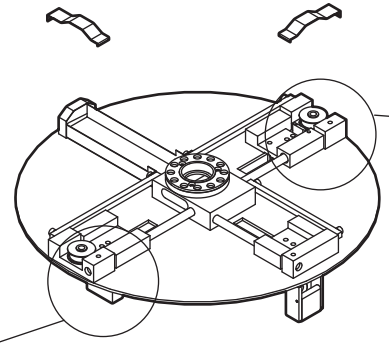
Digital cephalostat scanning mechanism

378) 10003682 Digital cephalostat scanning mechanism



Selected items:

Cephalostat head support



363) 10004324 Rotation microswitch activation plate

499) 00652204 Earpost frame

500) 10003041 Plastic spacer Richco ø6.4/4.3

M4x8 ISO 7380

498) 00665136 Head support mechanism

M4x8 ISO 7380

500) 10003041 Plastic spacer Richco ø6.4/4.3x4.8

499) 00652204 Earpost frame

ø6 DIN 2093

515) 10006567 Rotation scale cover

365) 00652191 Rotation scale

ø6 DIN 6798A

M6x16 DIN 912

501) 10007657 Submento-vertex extension

Selected items:

501) 10007657 Submento-vertex extension

366) 00651005 Ceph ear post, left

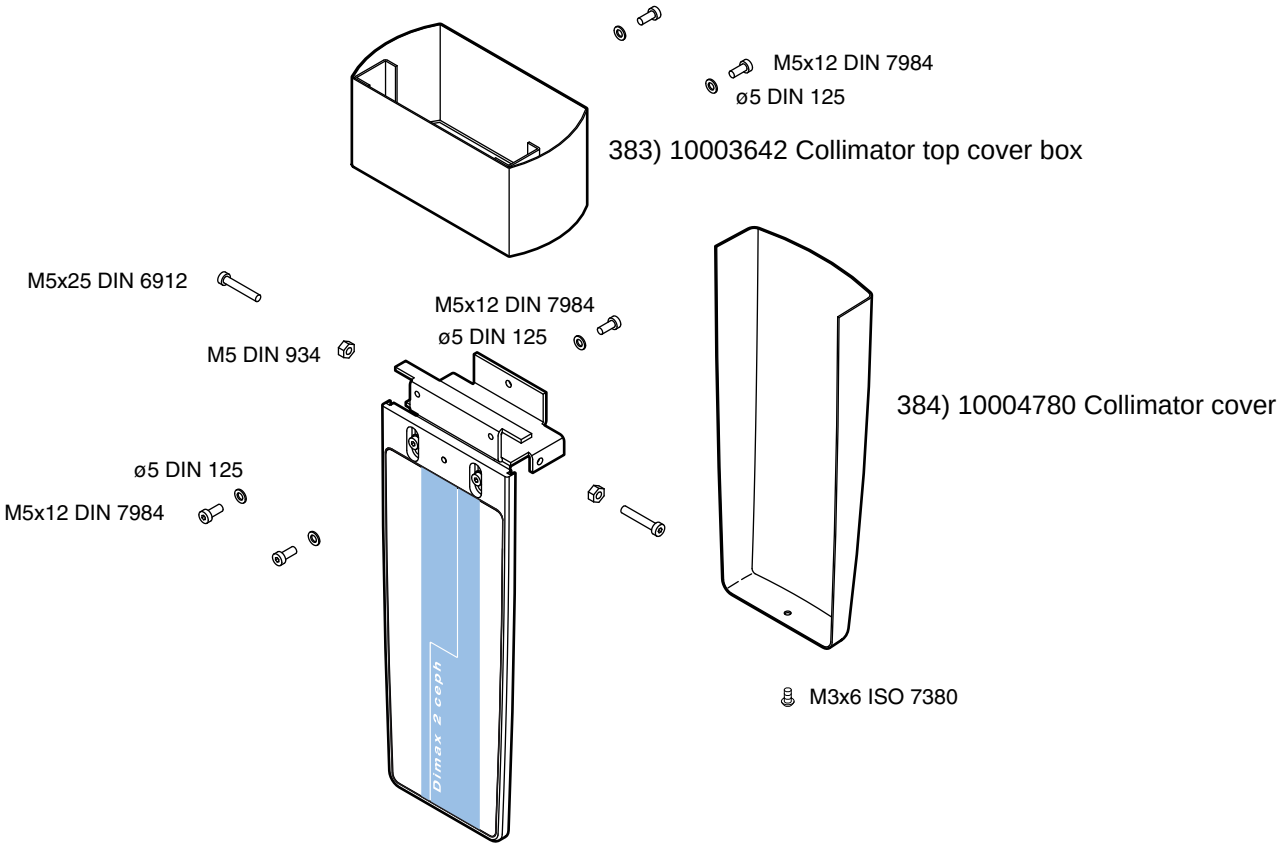
368) 00651003 Ceph ear post, right

367) 00651004 Nasal positioner

Second primary collimator

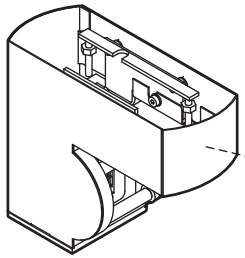
382) 10003675 Second primary collimator

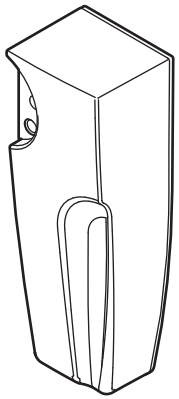
Selected items:



Fixed cephalostat sensor head

Selected items:





300) 10003700 Cephalostat sensor head

511) 10007345 Promax Dimax3 cephalostat sensor head

385) 10003754 Cephalostat sensor head connector

386) 10003658 Connector front cover

ø5 DIN 125

M5x12 DIN 7984

387) 10003750 Connector back cover

M6x10 DIN 7991

388) 10003659 Connector bottom plate

M6x12 ISO 7380

M6x12 ISO 7380

M5x12 DIN 7984

ø5 DIN 125

393) 10003651 Connector adapter

305) 10000933 EMI Snap-On Ferrite

392) 10006856 RJ45 panel connector

113) 00001490 Cable tie

177) 00007016 Cable tie anchor

M4x8 ISO 7380

391) 10003755 Cephalostat locking plate

M5x12 DIN 913

388) 10005154 Ceph connector frame

390) 10002319 Ceph bar plate

M3 DIN 985 Nyloc

M5x12 DIN 7984

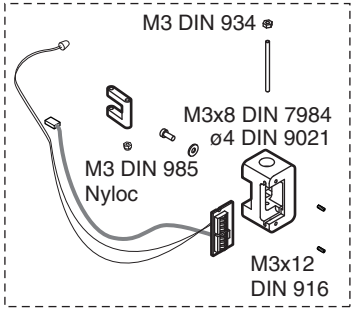
ø5 DIN 125

289) 10001596 Button axle

ø5 DIN 125

M5x12 DIN 7984

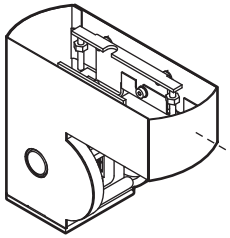
M3x35 DIN 912

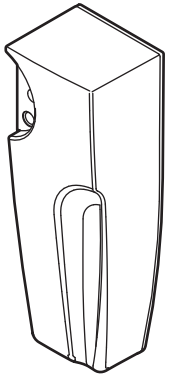


290) 10006624 Electrical connector

Movable cephalostat sensor head

Selected items:



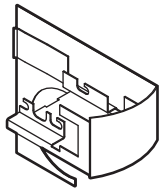


300) 10003700 Cephalostat sensor head

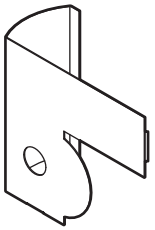
511) 10007345 Promax Dimax3 cephalostat sensor head

394) 10003673 Cephalostat sensor head quick connector

386) 10003658 Connector front cover



ø5 DIN 125
M5x12 DIN 7984



395) 10003655 Connector back cover

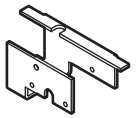
M6x10 DIN 7991

388) 10003659 Connector bottom plate

M6x12 ISO 7380

M6x12 ISO 7380

M5x12 DIN 7984
ø5 DIN 125



393) 10003651 Connector adapter

305) 10000933 EMI Snap-On Ferrite

392) 10006856 RJ45 panel connector

292) 10001624 Label LBL-X-106

293) 10001597 Off-button

288) 00006662 O-ring 10.82x1.78

A10 DIN 6799

113) 00001490 Cable tie

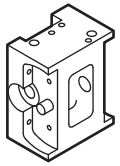
177) 00007016 Cable tie anchor

M4x8 ISO 7380

397) 10001599 Handle axle

396) 10002317 Ceph handle

M5x12 DIN 913



388) 10005154 Ceph connector frame

M6Kx14 GN 615

524) 10008109 Ceph bar plate

M3 DIN 985 Nyloc

289) 10001596 Button axle

288) 00006662 O-ring 10.82x1.78

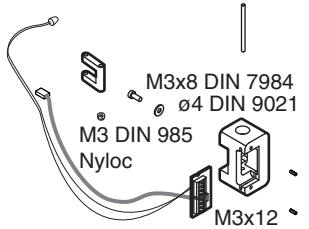
M4x4 DIN916

287) 10001596 Locking button

ø5 DIN 125
M5x12 DIN 7984

M3x35 DIN 912

M3 DIN 934



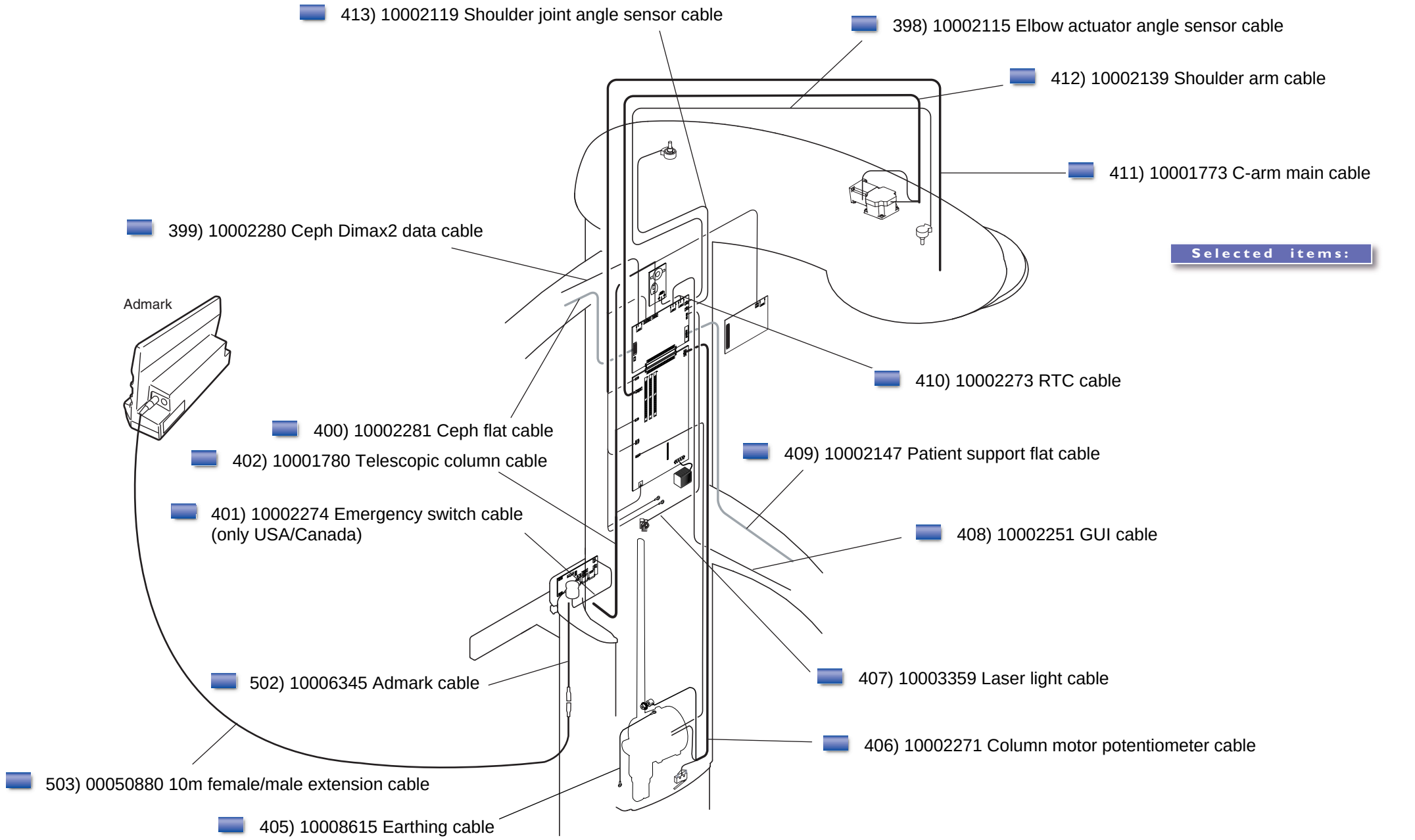
M3x8 DIN 7984
ø4 DIN 9021

M3 DIN 985 Nyloc

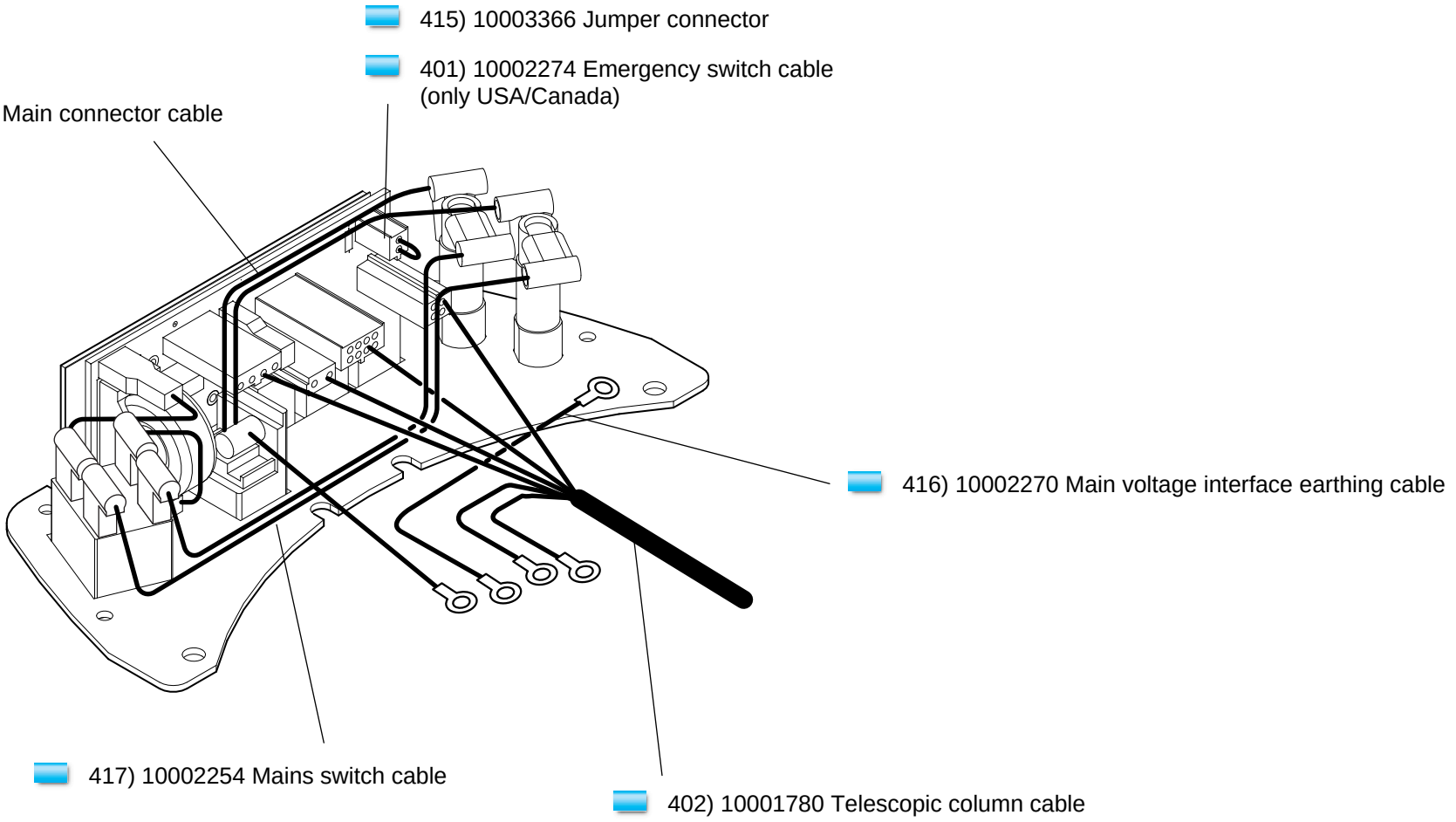
M3x12 DIN 916

290) 10006624 Electrical connector

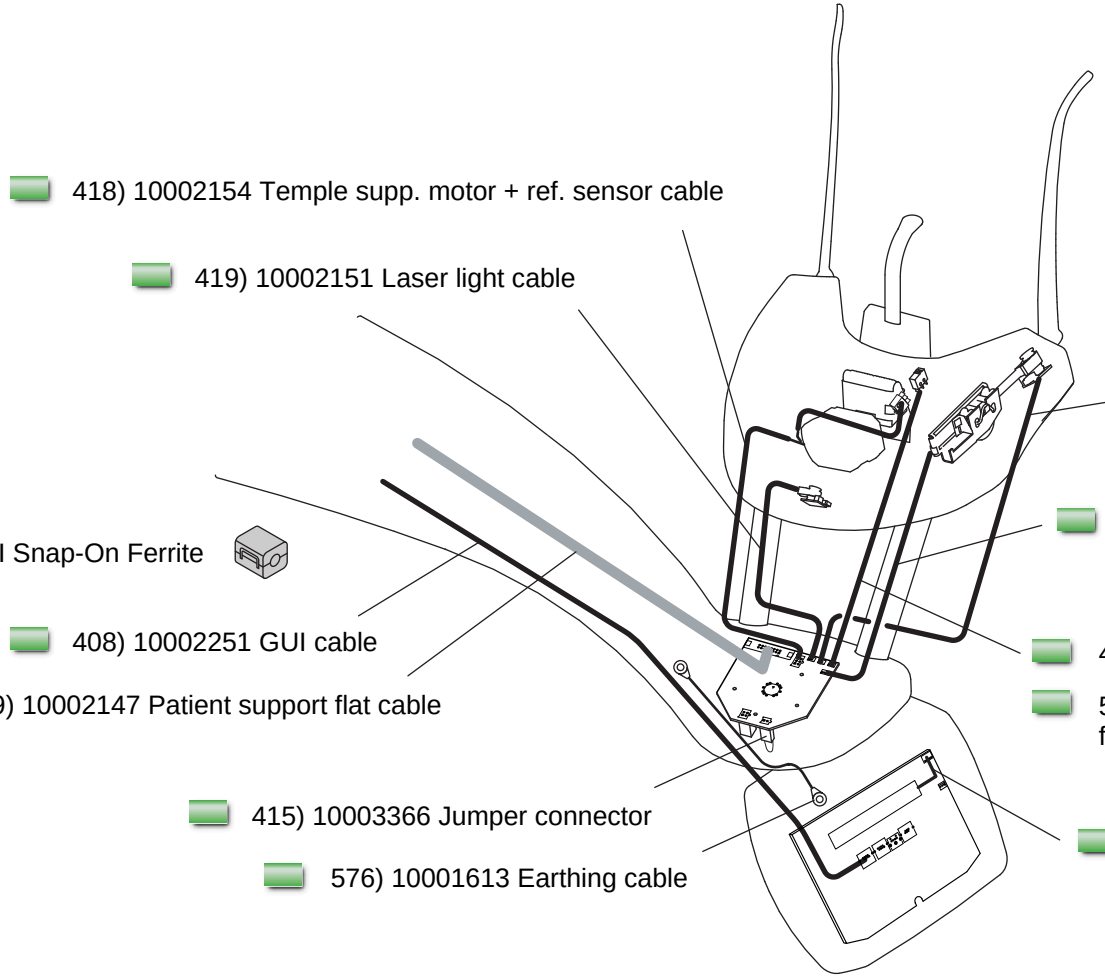
ProMax column and shoulder arm cables


413) 10002119 Shoulder joint angle sensor cable
398) 10002115 Elbow actuator angle sensor cable
412) 10002139 Shoulder arm cable
411) 10001773 C-arm main cable
399) 10002280 Ceph Dimax2 data cable
Selected items:
Admark
410) 10002273 RTC cable
400) 10002281 Ceph flat cable
402) 10001780 Telescopic column cable
409) 10002147 Patient support flat cable
401) 10002274 Emergency switch cable
(only USA/Canada)
408) 10002251 GUI cable
502) 10006345 Admark cable
407) 10003359 Laser light cable
406) 10002271 Column motor potentiometer cable
503) 00050880 10m female/male extension cable
405) 10008615 Earthing cable

Input module cables


415) 10003366 Jumper connector
401) 10002274 Emergency switch cable
(only USA/Canada)
414) 10002252 Main connector cable
416) 10002270 Main voltage interface earthing cable
417) 10002254 Mains switch cable
402) 10001780 Telescopic column cable

Patient support arm cables



418) 10002154 Temple supp. motor + ref. sensor cable

419) 10002151 Laser light cable

423) 10003359 Laser light cable

578) 10010387 EMI Snap-On Ferrite

422) 10002150 Layer position sensor cable

408) 10002251 GUI cable

421) 10002156 Chin support sensor cable

409) 10002147 Patient support flat cable

579) 10011090 Chin support sensor cable, from ser. no RPX235423

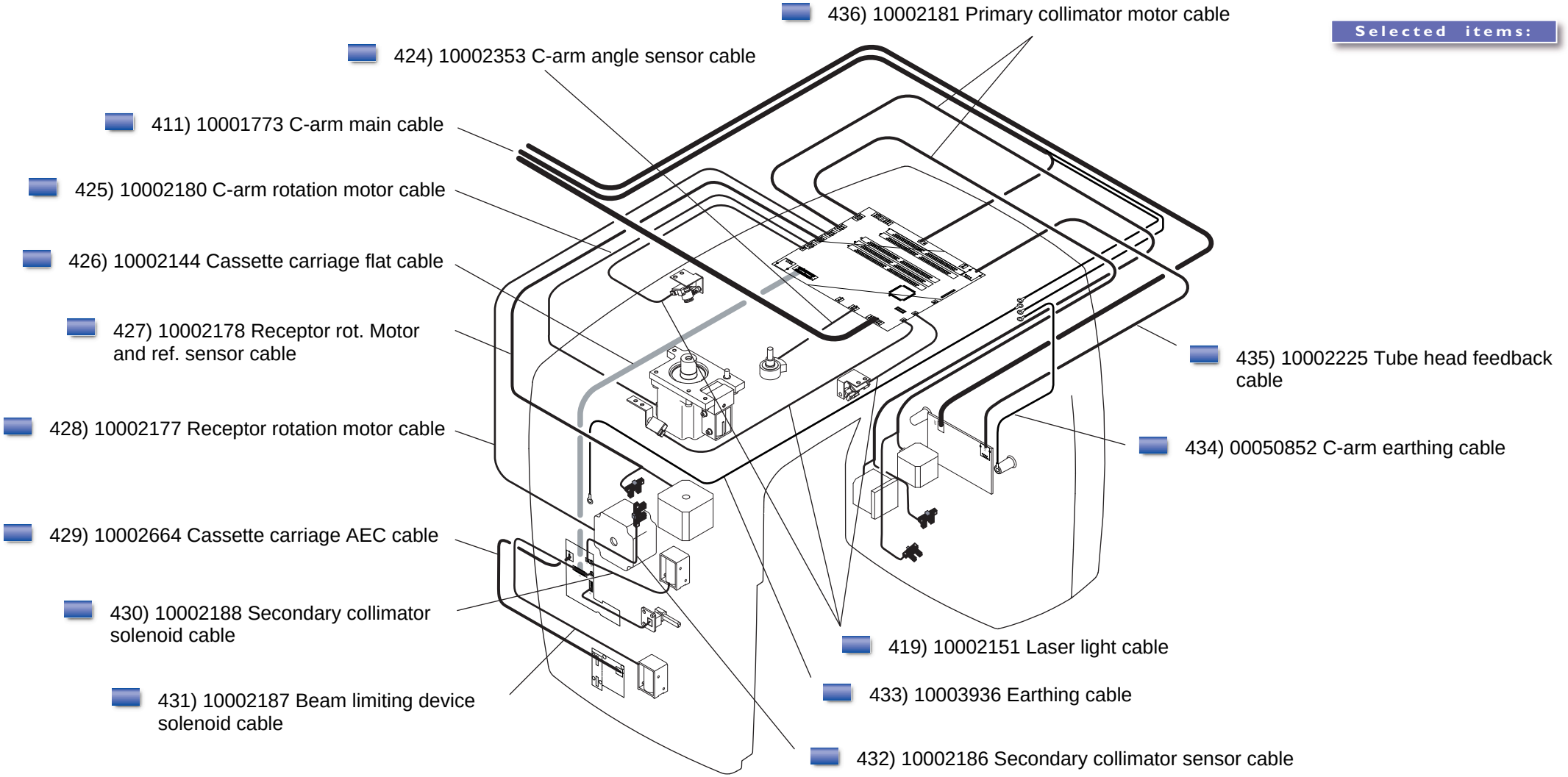
415) 10003366 Jumper connector

420) 10002980 GUI backlight interface cable

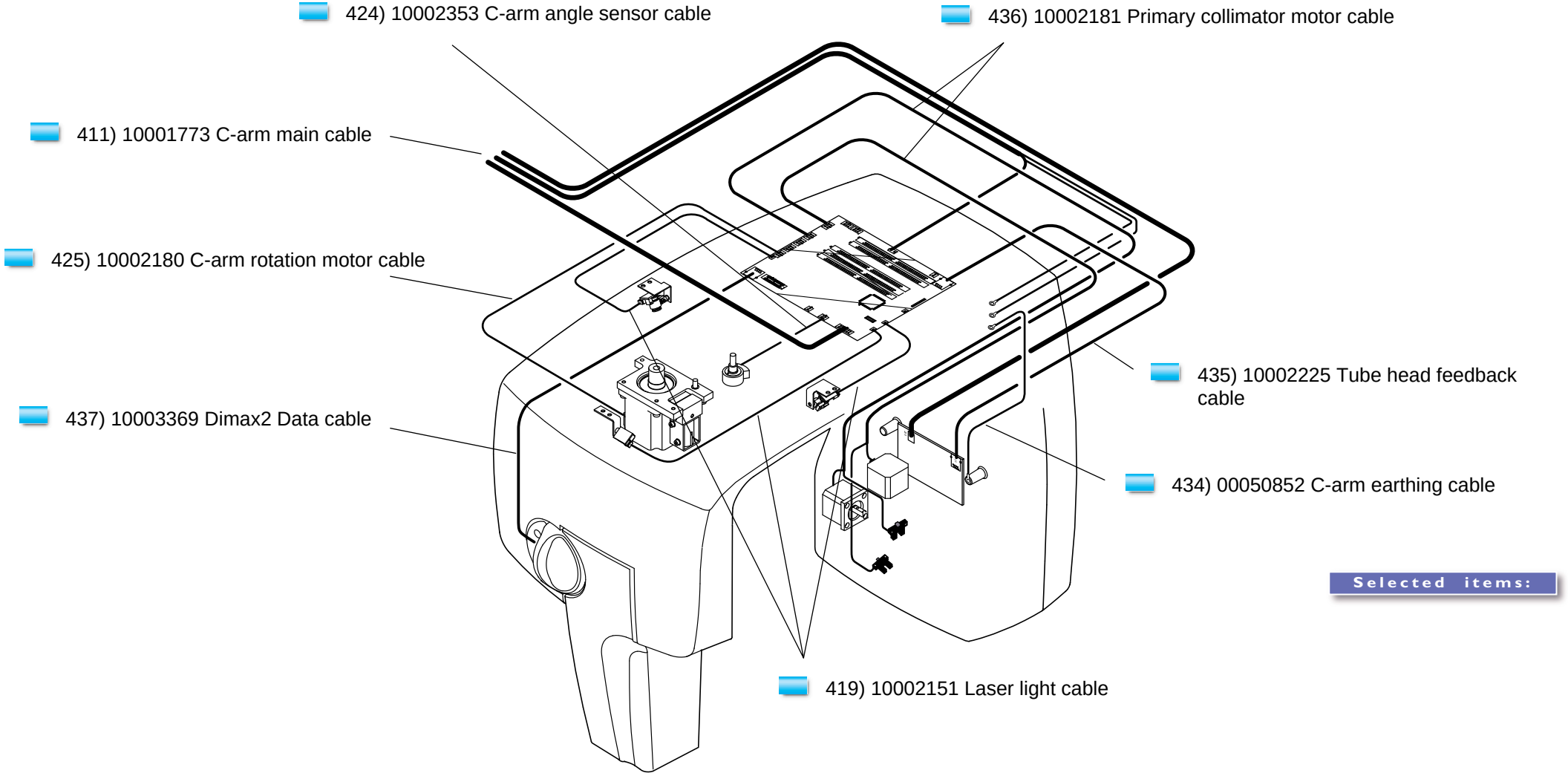
576) 10001613 Earthing cable

C-arm cables

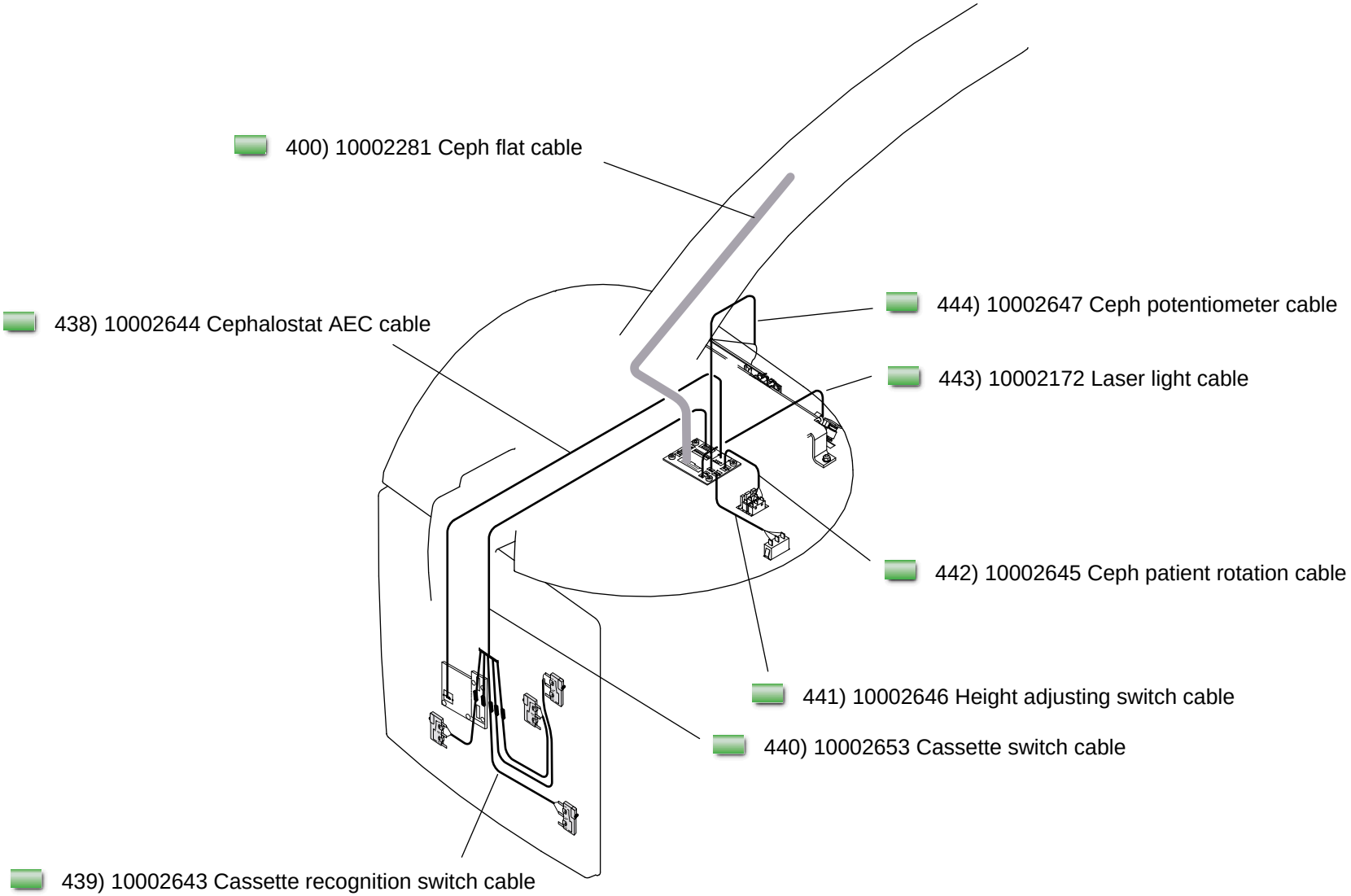
Selected items:


436) 10002181 Primary collimator motor cable
424) 10002353 C-arm angle sensor cable
411) 10001773 C-arm main cable
425) 10002180 C-arm rotation motor cable
426) 10002144 Cassette carriage flat cable
427) 10002178 Receptor rot. Motor and ref. sensor cable
428) 10002177 Receptor rotation motor cable
429) 10002664 Cassette carriage AEC cable
430) 10002188 Secondary collimator solenoid cable
431) 10002187 Beam limiting device solenoid cable
435) 10002225 Tube head feedback cable
434) 00050852 C-arm earthing cable
419) 10002151 Laser light cable
433) 10003936 Earthing cable
432) 10002186 Secondary collimator sensor cable

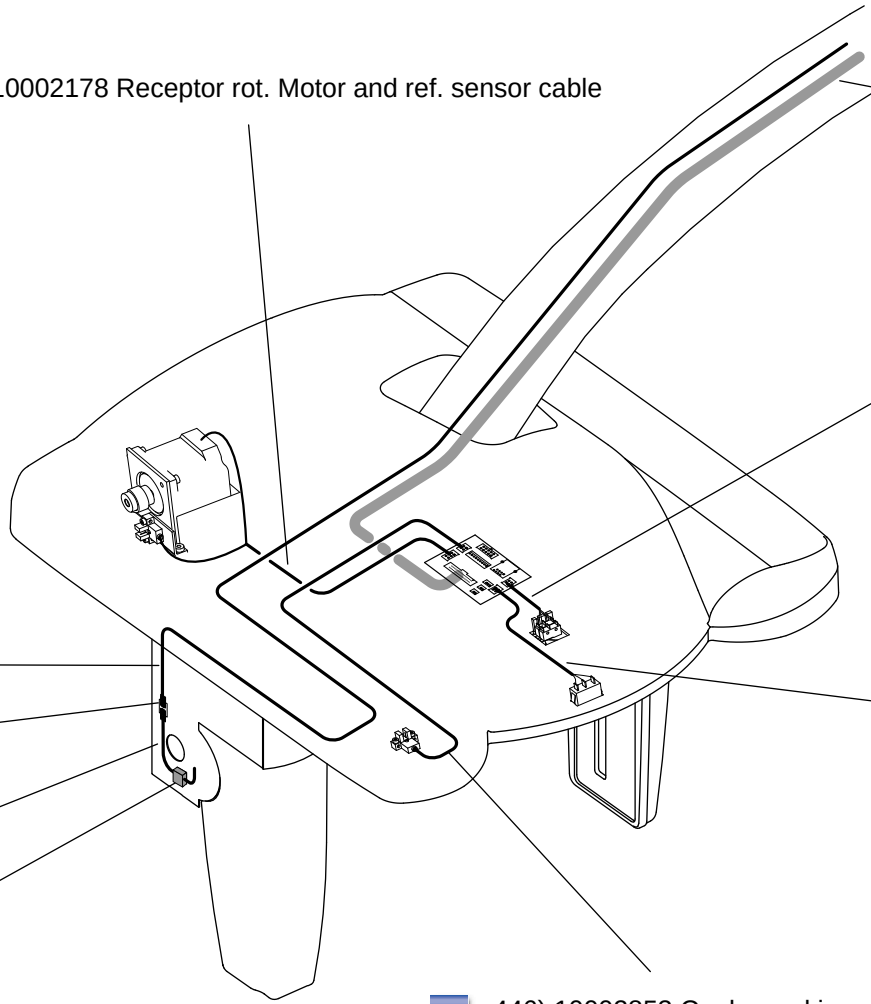
Digital x-ray c-arm cables


424) 10002353 C-arm angle sensor cable
436) 10002181 Primary collimator motor cable
411) 10001773 C-arm main cable
425) 10002180 C-arm rotation motor cable
435) 10002225 Tube head feedback cable
437) 10003369 Dimax2 Data cable
434) 00050852 C-arm earthing cable
Selected items:
419) 10002151 Laser light cable

Film cephalostat cables


400) 10002281 Ceph flat cable
438) 10002644 Cephalostat AEC cable
444) 10002647 Ceph potentiometer cable
443) 10002172 Laser light cable
442) 10002645 Ceph patient rotation cable
441) 10002646 Height adjusting switch cable
440) 10002653 Cassette switch cable
439) 10002643 Cassette recognition switch cable

Digital ceph cables



445) 10002178 Receptor rot. Motor and ref. sensor cable

400) 10002281 Ceph flat cable

442) 10002645 Ceph patient rotation cable

399) 10002280 Ceph Dimax2 data cable

392) 10006856 RJ45 panel connector

437) 10003369 Dimax2 Data cable

305) 10000933 EMI Snap-On Ferrite

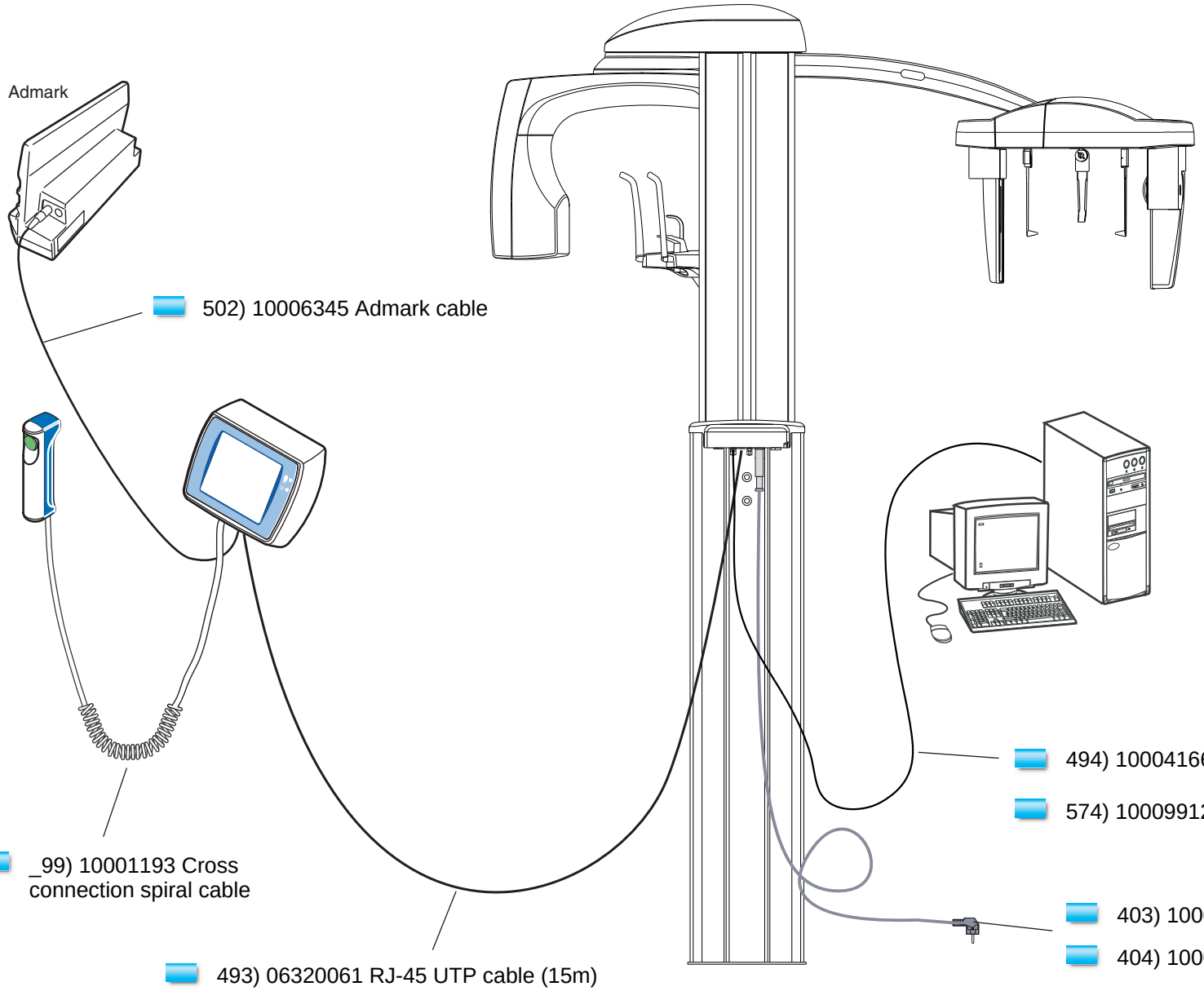
447) 10002636 Ceph up/down switch cable

Selected items:

446) 10002853 Ceph, marking motor sensor cable

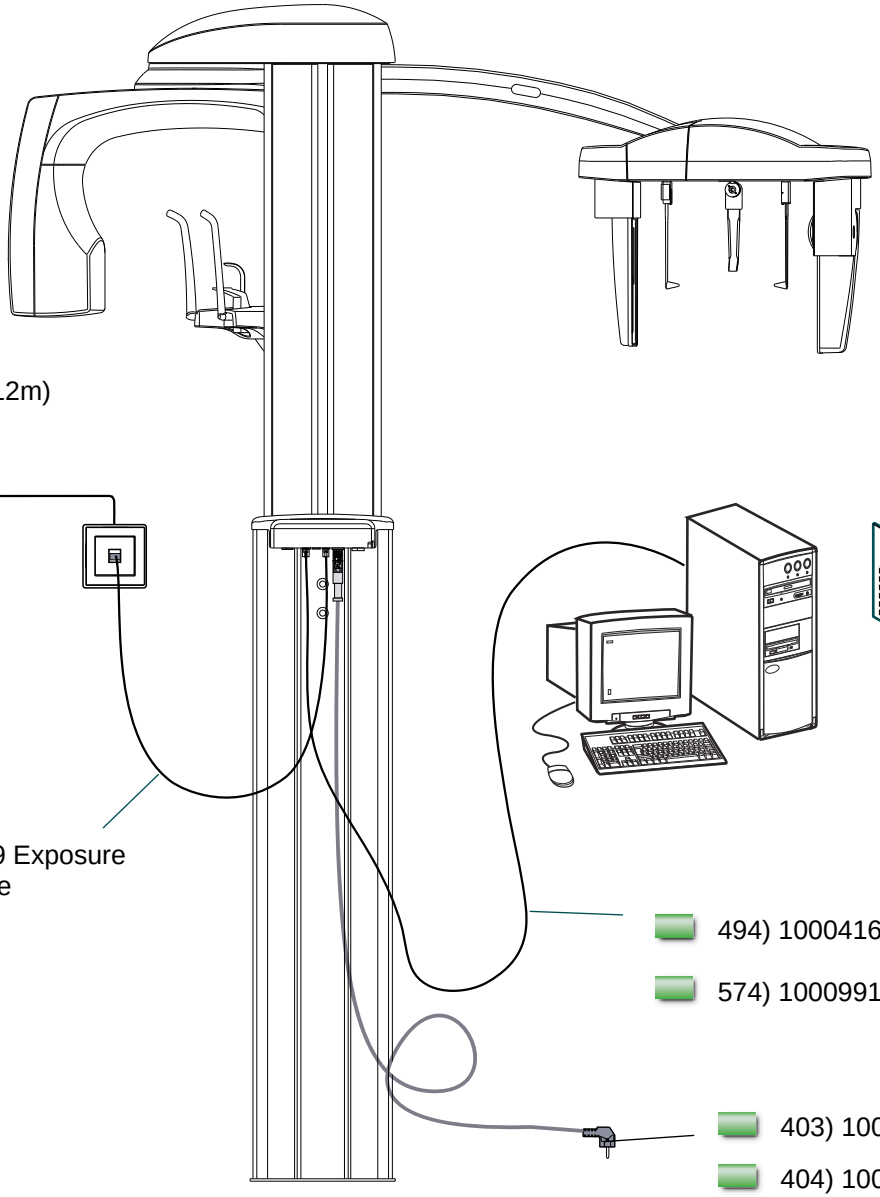
External cables 1

Selected items:


Admark
502) 10006345 Admark cable
_99) 10001193 Cross connection spiral cable
493) 06320061 RJ-45 UTP cable (15m)
494) 10004166 PCI Interface cross connection cable
574) 10009912 Ethernet cross over cable
403) 10002253 Power supply cable, Europe
404) 10002863 Power supply cable, USA/Japan
495) 10001254 2-Channel Dimax2/Dixi PCI interface PCB 116-10-05

External cables 2

Selected items:



496) 06320032 Telephone cable (12m)

497) 10005679 Exposure extension cable

_99) 10001193 Cross connection spiral cable

495) 10001254 2-Channel Dimax2/Dixi PCI interface PCB 116-10-05

494) 10004166 PCI Interface cross connection cable

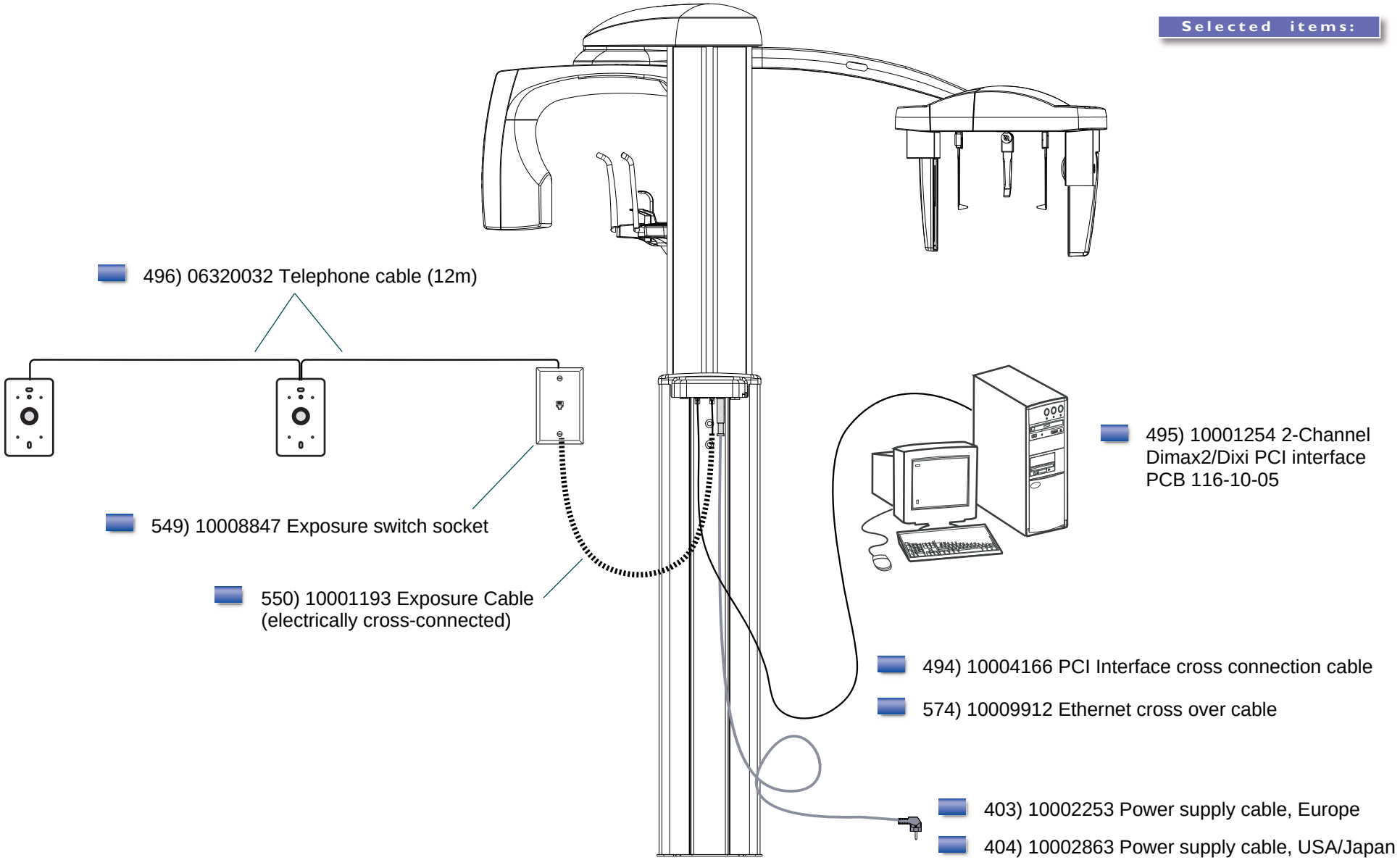
574) 10009912 Ethernet cross over cable

403) 10002253 Power supply cable, Europe

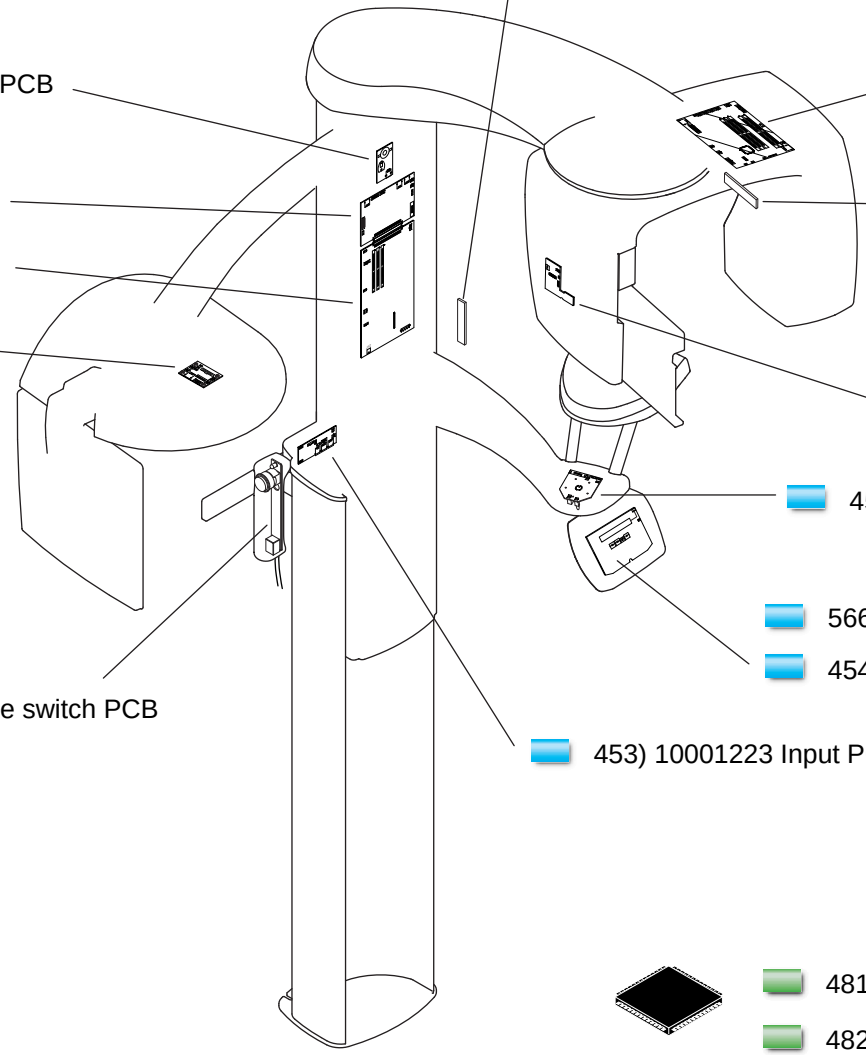
404) 10002863 Power supply cable, USA/Japan

External cables 3

Selected items:


496) 06320032 Telephone cable (12m)
549) 10008847 Exposure switch socket
550) 10001193 Exposure Cable
(electrically cross-connected)
495) 10001254 2-Channel
Dimax2/Dixi PCI interface
PCB 116-10-05
494) 10004166 PCI Interface cross connection cable
574) 10009912 Ethernet cross over cable
403) 10002253 Power supply cable, Europe
404) 10002863 Power supply cable, USA/Japan

PCBs



457) 10001231 Motor control module PCB

448) 10001226 RTC PCB

458) 10002785 C-arm control module PCB

449) 10001225 CPU PCB

457) 10001231 Motor control module PCB

450) 10001224 Power supply PCB

451) 10001243 Cephalostat connector PCB

456) 10002783 Cassette control module PCB

455) 10001232 Patient position control PCB

566) 10009280 Colour GUI PCB

454) 10002784 Graphic user interface PCB

452) 10001237 Exposure switch PCB

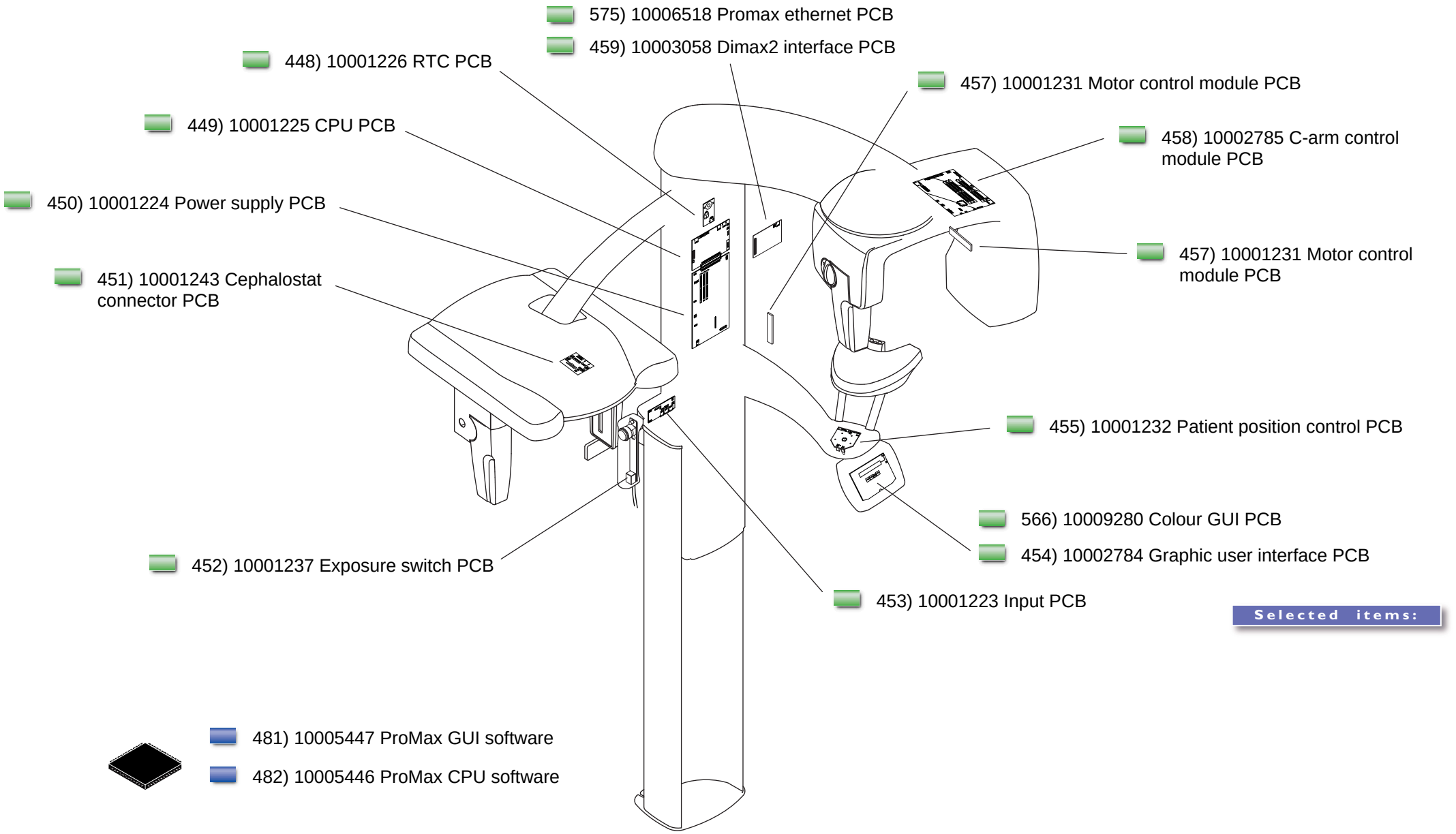
453) 10001223 Input PCB

Selected items:

481) 10005447 ProMax GUI software

482) 10005446 ProMax CPU software

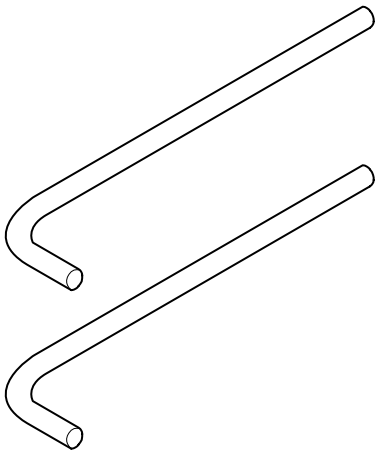
Digital x-ray PCBs


575) 10006518 Promax ethernet PCB
459) 10003058 Dimax2 interface PCB
448) 10001226 RTC PCB
457) 10001231 Motor control module PCB
449) 10001225 CPU PCB
458) 10002785 C-arm control module PCB
450) 10001224 Power supply PCB
457) 10001231 Motor control module PCB
451) 10001243 Cephalostat connector PCB
455) 10001232 Patient position control PCB
566) 10009280 Colour GUI PCB
454) 10002784 Graphic user interface PCB
452) 10001237 Exposure switch PCB
453) 10001223 Input PCB
481) 10005447 ProMax GUI software
482) 10005446 ProMax CPU software

Selected items:

ProMax mounting accessories

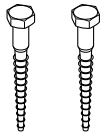
460) 10004251 ProMax mounting accessories



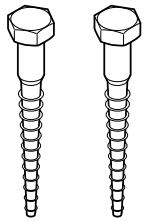
461) 00007100
Alignment pin

Screw 4x30

Screw M8x50 DIN 571

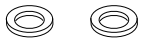


Screw M10x70 DIN 571

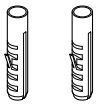


Washer ø8.4/17 DIN 125

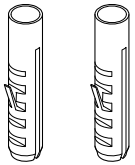
Washer ø10.5/21 DIN 125



Plastic insert ø6x30

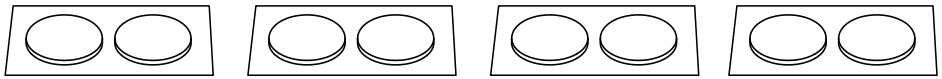


Plastic insert ø10x50



Plastic insert ø14x70

462) 10004358 Felt pads ø24

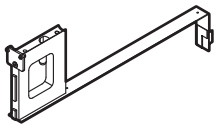


Selected items:

Adjustment tools

463) 10004683 Panoramic tools

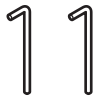
488) 10005630 Auxiliary tool



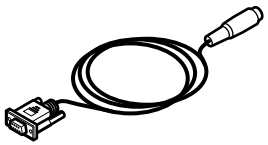
464) 10004225 Alignment ruler

466) 10004011 Ball phantom

468) 00050977 Frankfort plane alignment tool



461) 00007100 Alignment pin

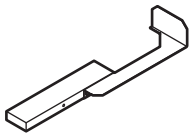


483) 10003926 Software loading cable

489) 10005786 Feeler

465) 00050972 Beam alignment tool

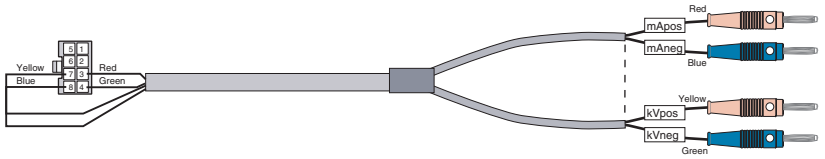
467) 10002699 Dimax2 sensor alignment tool



469) 10004316 Panoramic mode calibration block

484) 10005525 Torx key TX 25

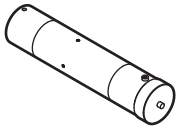
485) 10005526 Torx key TX 08



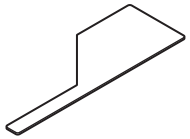
548) 10008320 X-ray tube mA/Kv measure cable

470) 10004684 Cephalostat tools

471) 10004779 Soft tissue filter positioning tool

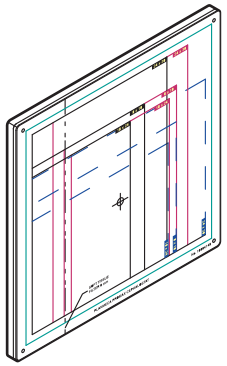


472) 10004499 Ceph head support alignment laser



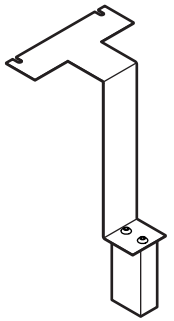
473) 10004246 Cephalostat calibration tool

474) 00653126 Ceph head support alignment tool



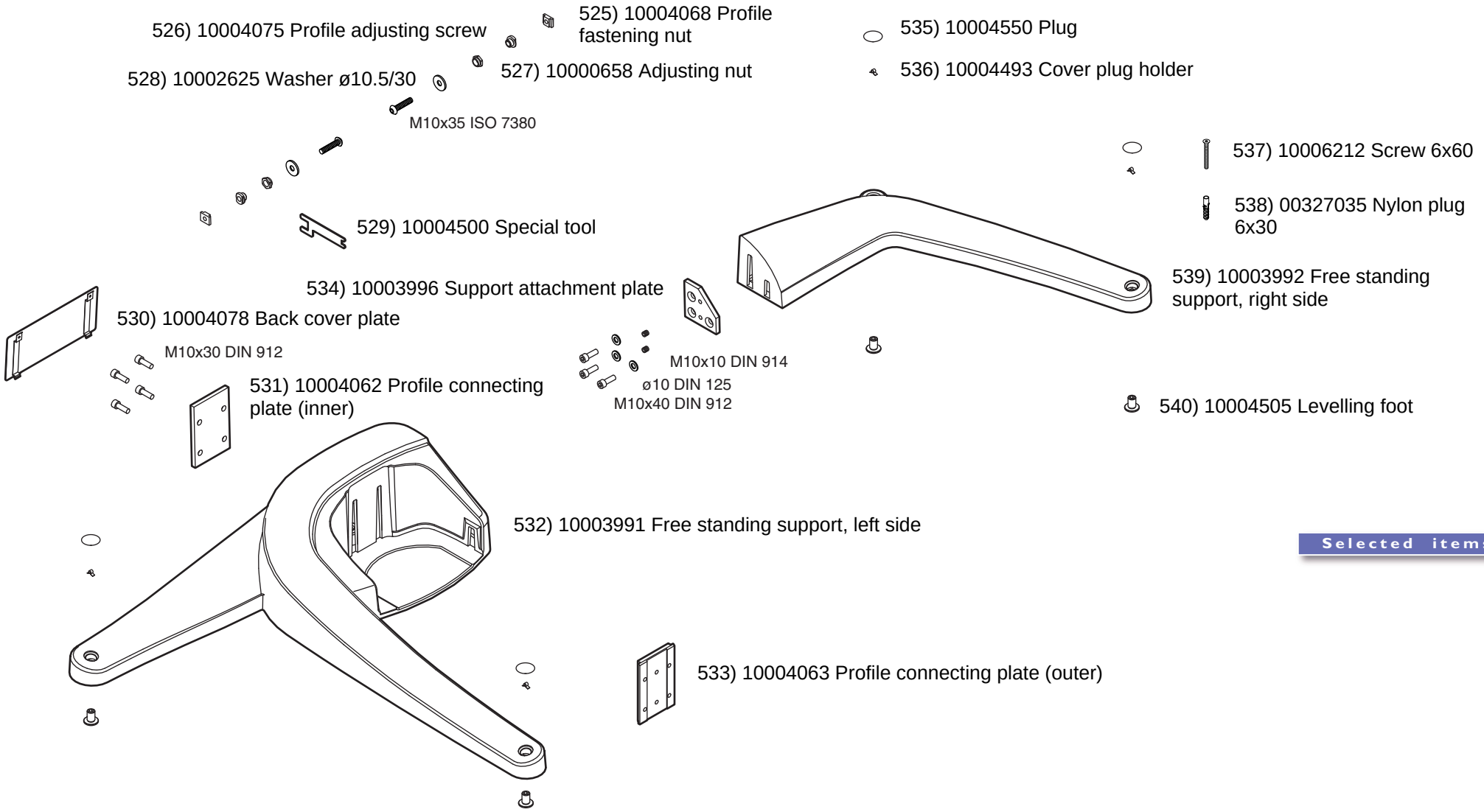
475) 10004148 Cephalometric beam alignment tool

Selected items:



514) 10007501 AEC calibration tool

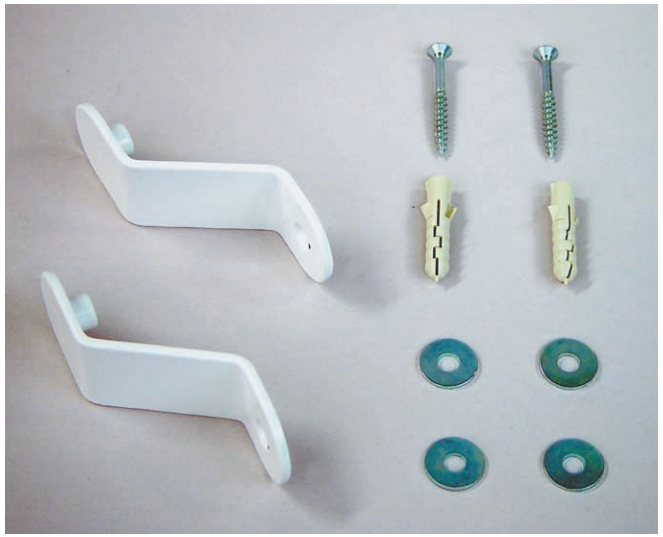
Free standing support


526) 10004075 Profile adjusting screw
525) 10004068 Profile fastening nut
535) 10004550 Plug
528) 10002625 Washer ø10.5/30
527) 10000658 Adjusting nut
536) 10004493 Cover plug holder
M10x35 ISO 7380
537) 10006212 Screw 6x60
538) 00327035 Nylon plug 6x30
529) 10004500 Special tool
534) 10003996 Support attachment plate
539) 10003992 Free standing support, right side
530) 10004078 Back cover plate
M10x30 DIN 912
M10x10 DIN 914
ø10 DIN 125
M10x40 DIN 912
531) 10004062 Profile connecting plate (inner)
540) 10004505 Levelling foot
532) 10003991 Free standing support, left side
533) 10004063 Profile connecting plate (outer)

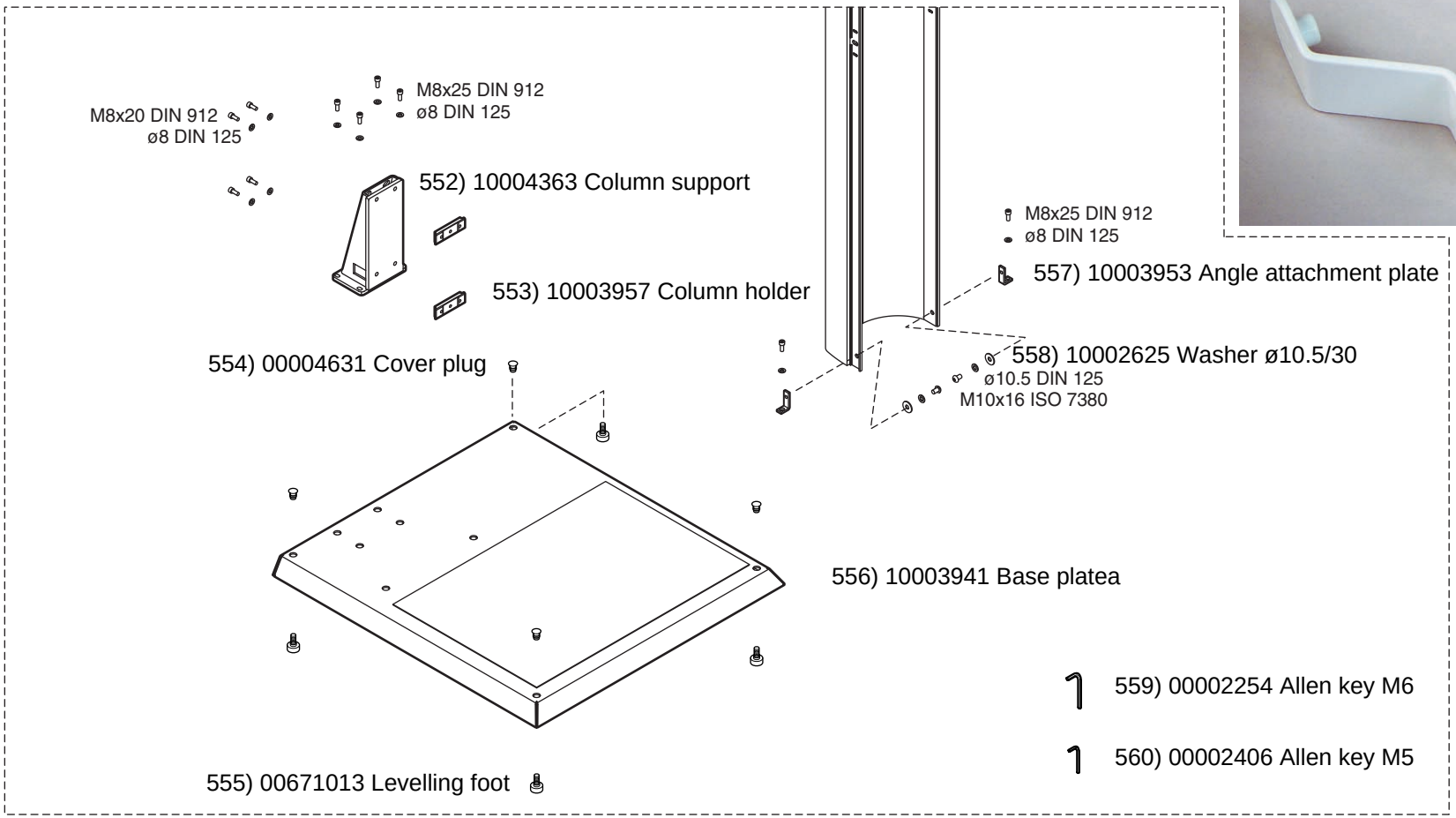
Selected items:

Exhibition free standing base

577) 10010576 Exhibition base additional support set



551) 10004227 Exhibition free standing base



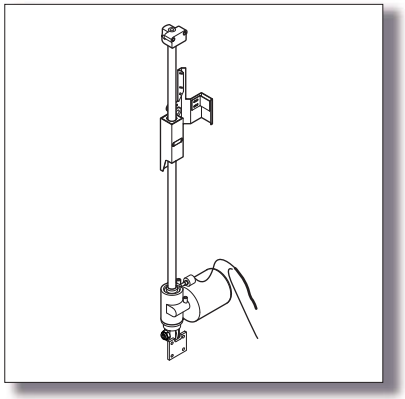
Selected items:

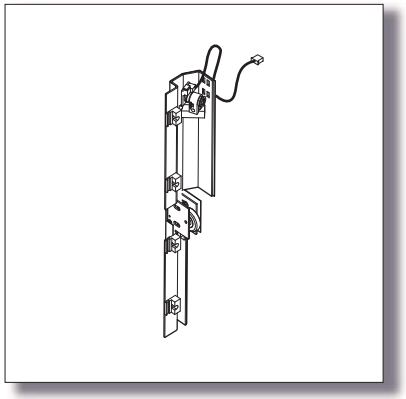
PLANMECA

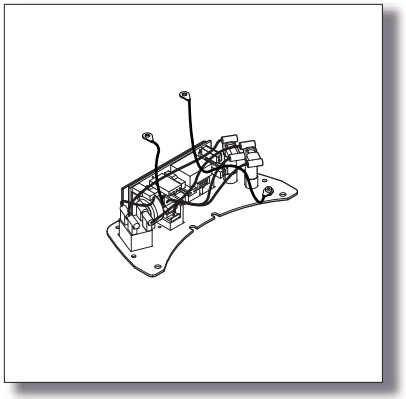
www.planmeca.com

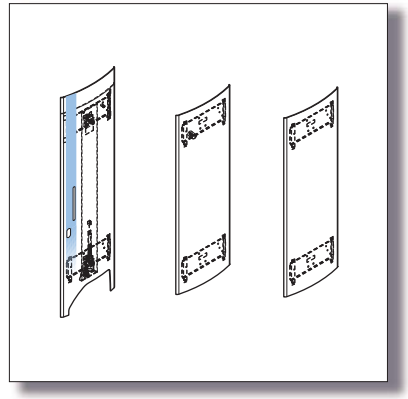
PLANMECA OY Asentajankatu 6, 00880 Helsinki, Finland, tel. +358 20 7795 500
fax +358 20 7795 555, e-mail: sales@planmeca.com, www.planmeca.com

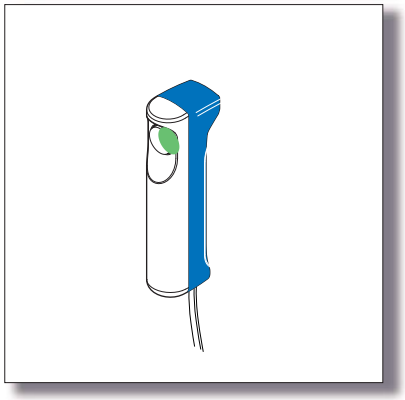
PROMAX



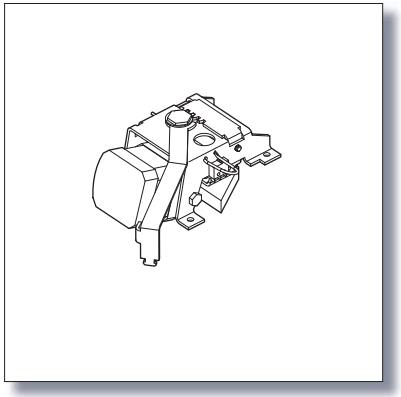


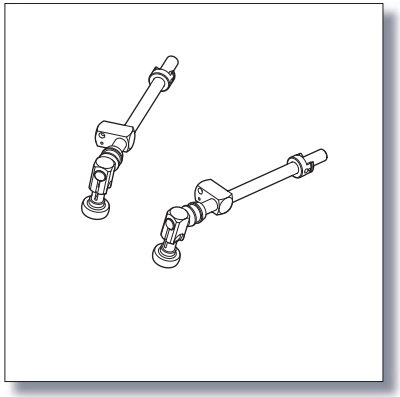


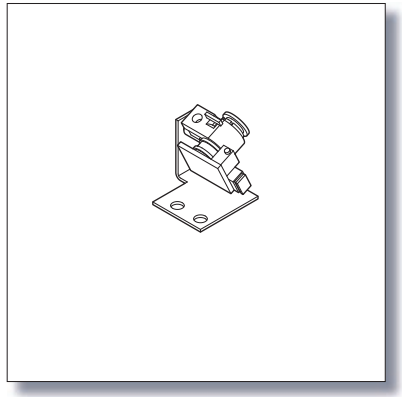


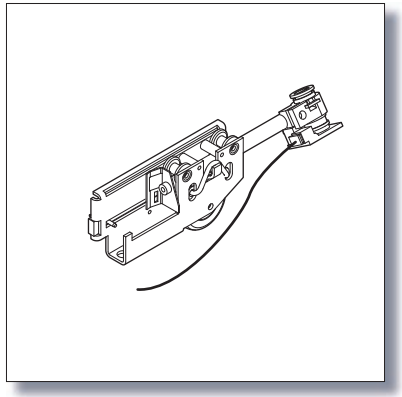


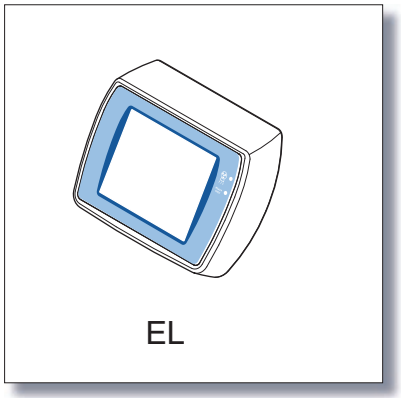
PROMAX



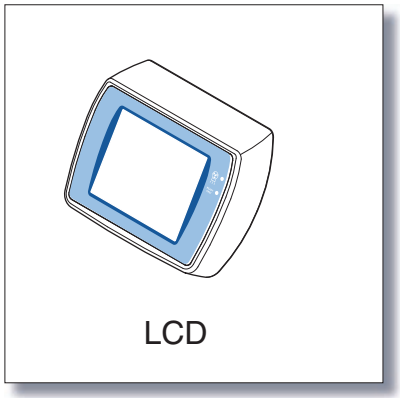




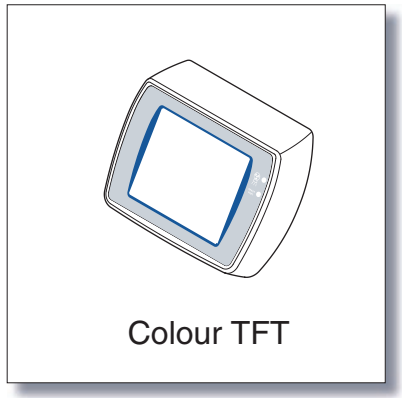




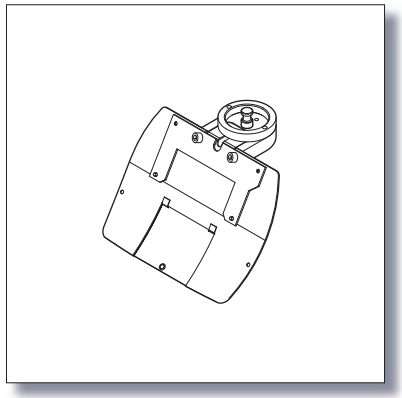
EL



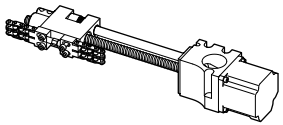
LCD

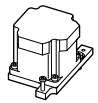


Colour TFT

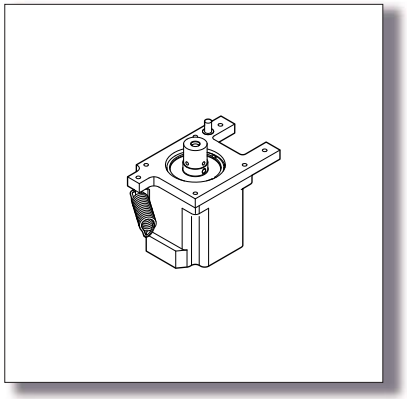
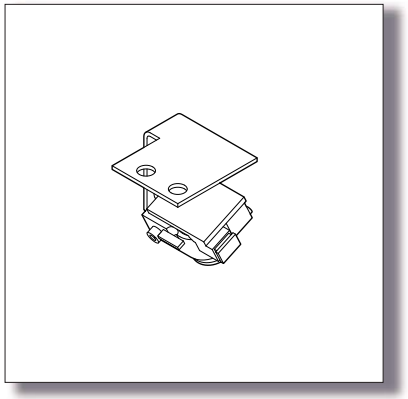
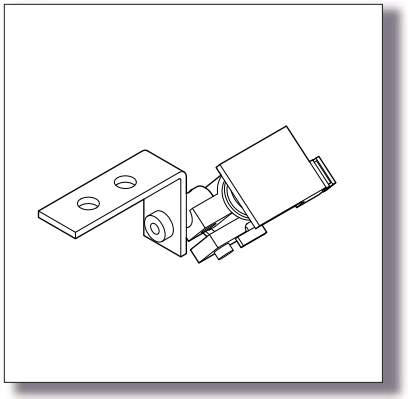
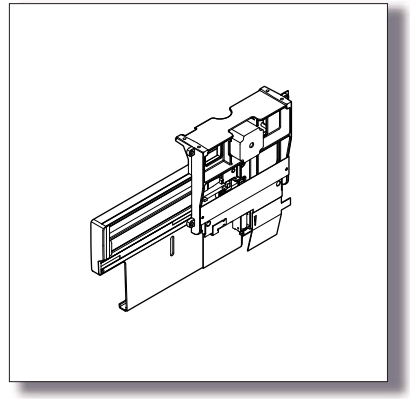
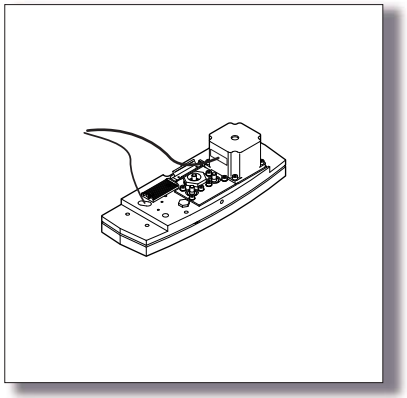
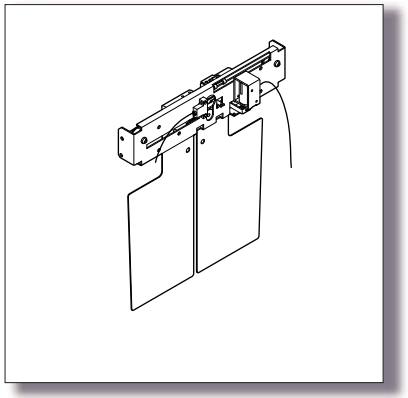
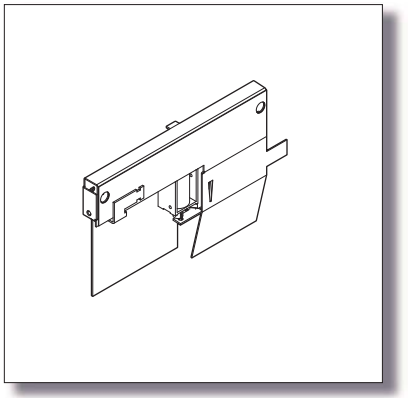
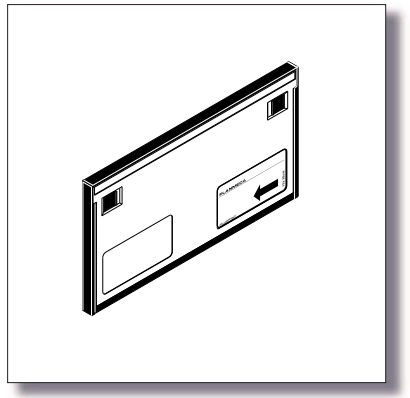


PROMAX

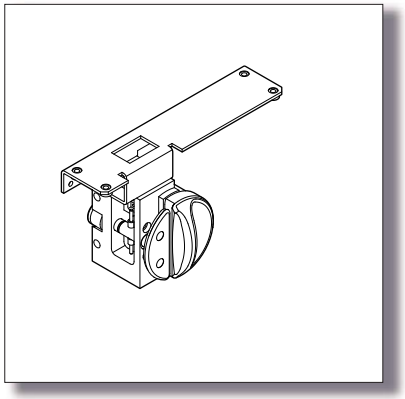
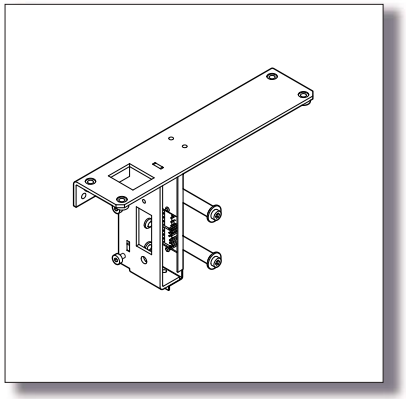
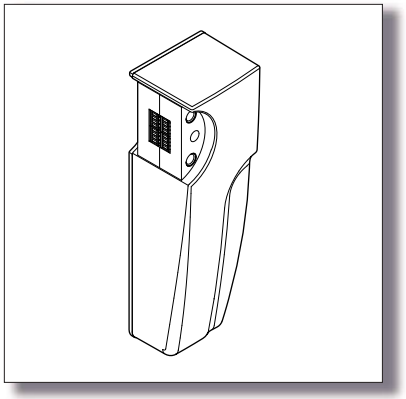
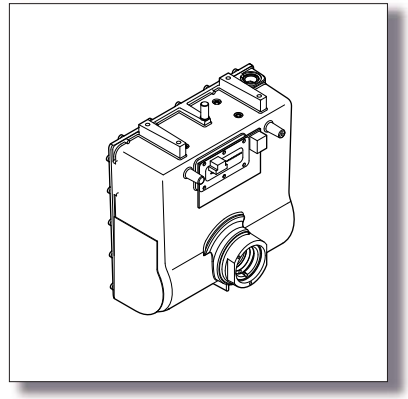
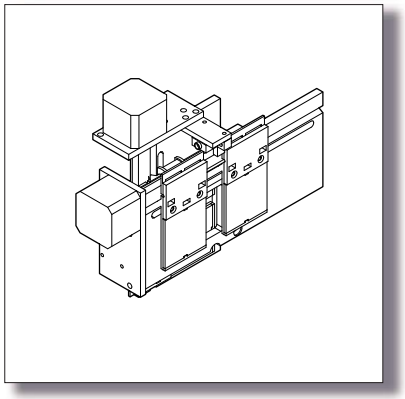
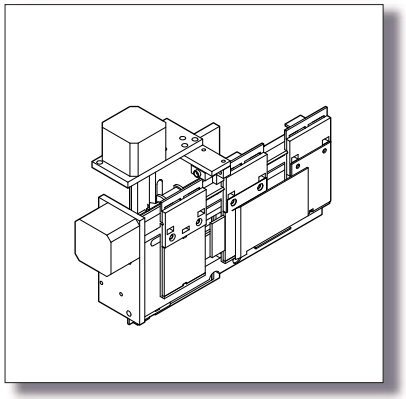




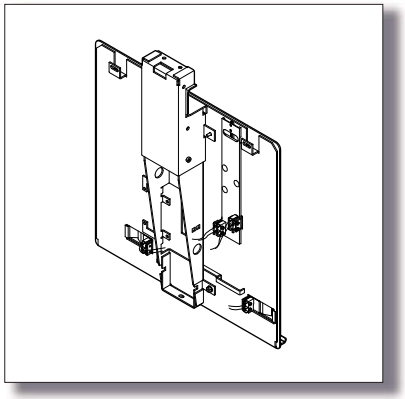
PROMAX

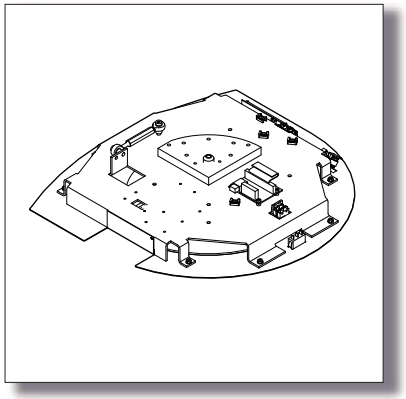









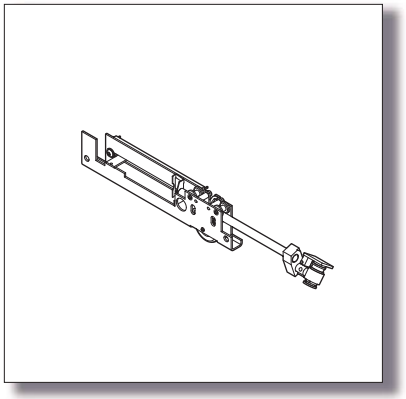
PROMAX

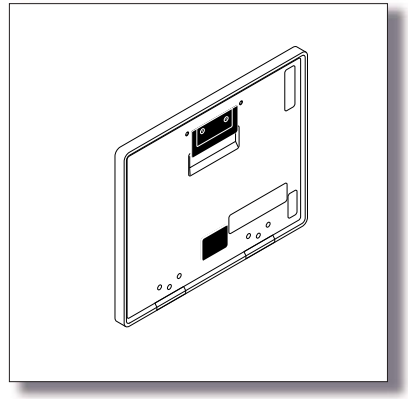







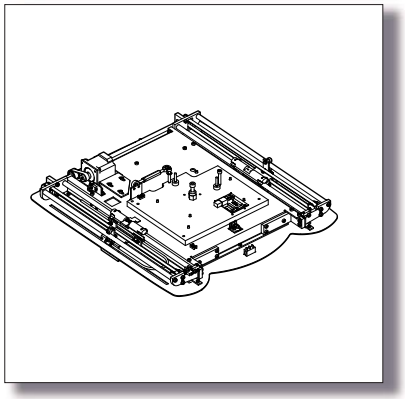
PROMAX

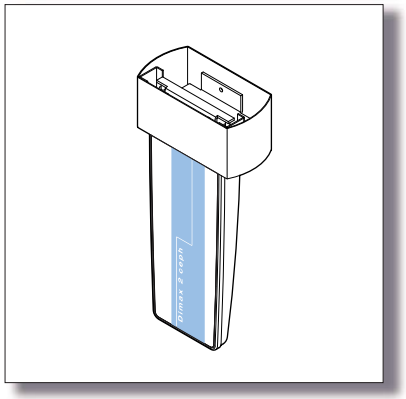


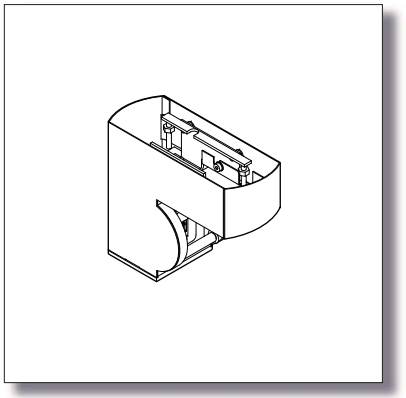


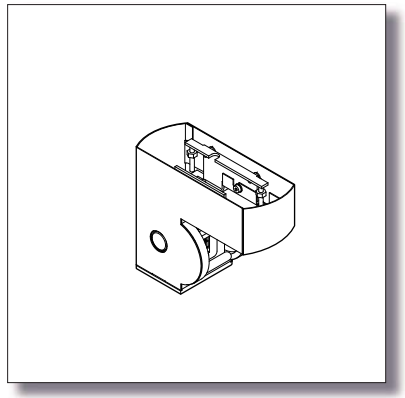












1

The first page is your

HOME page.

On this page, click on the element (Column, Cephalostat, Patient support arm etc.) that contains the assembly or spare part you wish to order. This will either take you to a page showing all available assembly or installation alternatives for the selected element, or directly to the corresponding spare part page.
Alternatively, you can start your selection by clicking on the blue

INDEX

button and selecting the required assembly from the list that appears.

2

On the spare part pages, select the items you wish to order by clicking on the corresponding illustrations. To select an assembly, click the colored button next to the assembly description.

Each time you select an item, a dialog box appears asking you to confirm your purchase by clicking *YES*. Click *NO* if you do not want to order that item. Clicking *YES* will automatically add the item to your order list. You can add up to 22 positions (an error message will appear if you try to add more positions). Please use a new order form for additional entries

3

To view your order, click the

ORDER

button. Check that your order contains all the items you wish to order and that the order quantities are correct. You can alter the order quantities by clicking in the QTY column and changing the amount. However, it is not possible to remove an item from the order list. To cancel an item, change the order quantity to zero (0).
To cancel all items from the list click the

RESET

button. Your order form will be emptied and you can start a new selection. Fill in your name, company, contact information and add an order number (any number/code you want us to use for your order).

4

A) To send us your order by e-mail, click on the

SUBMIT

button. In your e-mail window, enter your order number in the Subject box and click send.

B) To send us your order by fax or post, print the order form by selecting *Print* from the *File* pulldown menu, choosing the option *Current page* and clicking *OK*.
Then fax your order to +358-20-7795 248, or post it to PLANMECA OY/Spare Parts, Asentajankatu 6, FIN-00880 Helsinki, FINLAND.

5

Click the

QUIT

button to close the spare part manual. You will be asked if you want to save the changes you have made. Click *NO* if you want to start a new order process next time you open the manual. Click *YES* if you want to continue with this order.

We will send you an order confirmation stating delivery terms, delivery time and prices for the ordered items.
We thank you for your order and hope to hear from you soon.

PLANMECA HELSINKI
Spare Parts
E-mail:mika.spoof@planmeca.com

Using this interactive spare parts manual you can order spare parts for the Planmeca ProMax X-Ray.

You can view the manual with Adobe Acrobat Reader version 4.05 or later and send us your order by fax or mail.

NOTE: It is important that you use version 4.05 (included in the CD-ROM) or later of Adobe Acrobat Reader.

TO ORDER BY FAX OR POST:

1. Insert the CD-ROM into the drive.

2. Using the *Copy/ Paste* function, copy the manual file (PROMAXSPM.pdf) from your CD-ROM drive to your hard disk (e.g from D:\ to C:\).

3. Open the manual in Adobe Acrobat Reader 4.05 or later.

4. If necessary, use the manual's HELP function for information on how to navigate through the spare part pages and select the items you wish to order.

5. When you have selected all items and filled in the order form, print it out by selecting *Print* from the *File* pulldown menu, choosing the option *Current page* and clicking *OK*.

6. Fax your order to +358-20-7795 248, or post it to PLANMECA OY/Spare Parts, Asentajankatu 6, FIN-00880 Helsinki, FINLAND.

Using this interactive spare parts manual you can order spare parts for the Planmeca ProMax X-Ray.
In addition to the actual spare parts manual in PDF format, it also includes an order form which you can send to us online via e-mail.

NOTE: It is important that you use version 4.05 (included in the CD-ROM) or later of Adobe Acrobat Reader.

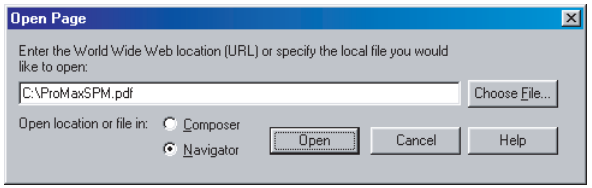
NOTE: It is important that you use version 4.60 or later of Netscape Navigator.

TO ORDER BY E-MAIL:

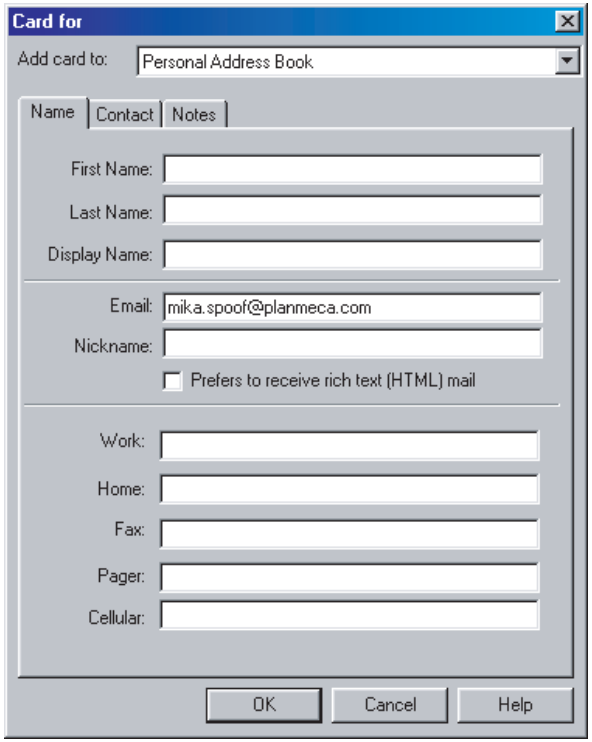
1. Insert the CD-ROM into the drive.

2. Using the *Copy/Paste* function, copy the manual file (PROMAXSPM.pdf) from your CD-ROM drive to your hard disk (e.g. from D:\ to C:\).

3. Open the manual in the Netscape browser. Select *Open Page* from the *File* pulldown menu, click the *Choose File* button to locate the path (e.g. C:\PROMAXSPM.pdf) and click *OK*.



4. Add our e-mail address to your Address Book. Select *Address Book* from the *Communicator* pulldown menu and click on the *New Card* button. In the window that opens, enter our e-mail address (mika.spoof@planmeca.com) in the *E-mail* box and click *OK*. This is the e-mail address your order will be sent to.



5. If necessary, use the manual's HELP function for information on how to navigate through the spare part pages and select the items you wish to order.

6. When you have selected all items and filled in the order form, click on the SUBMIT button to send us your order by e-mail.

PLANMECA

Asentajankatu 6
00880 Helsinki
Finland
Tel: + 358 20 7795 500
Fax: + 358 20 7795 248
www.planmeca.com

SPARE-PARTS ORDER FORM

DATE:

ORDERED BY

NAME:

COMPANY:

BILLING ADDRESS:

hfhsf

SHIP TO (if other than billing address)**:**

shfsh

TEL:

FAX:

Email:

YOUR ORDER NUMBER:

SUBMIT RESET QUIT

HELP INDEX HOME

MODE OF TRANSPORT: ☒ **NORMAL**

☐ **COURIER/** UPS

ITEMS ORDERED:

ITEM NO.	DESCRIPTION	QTY

ADDITIONAL INFORMATION: